

fig1

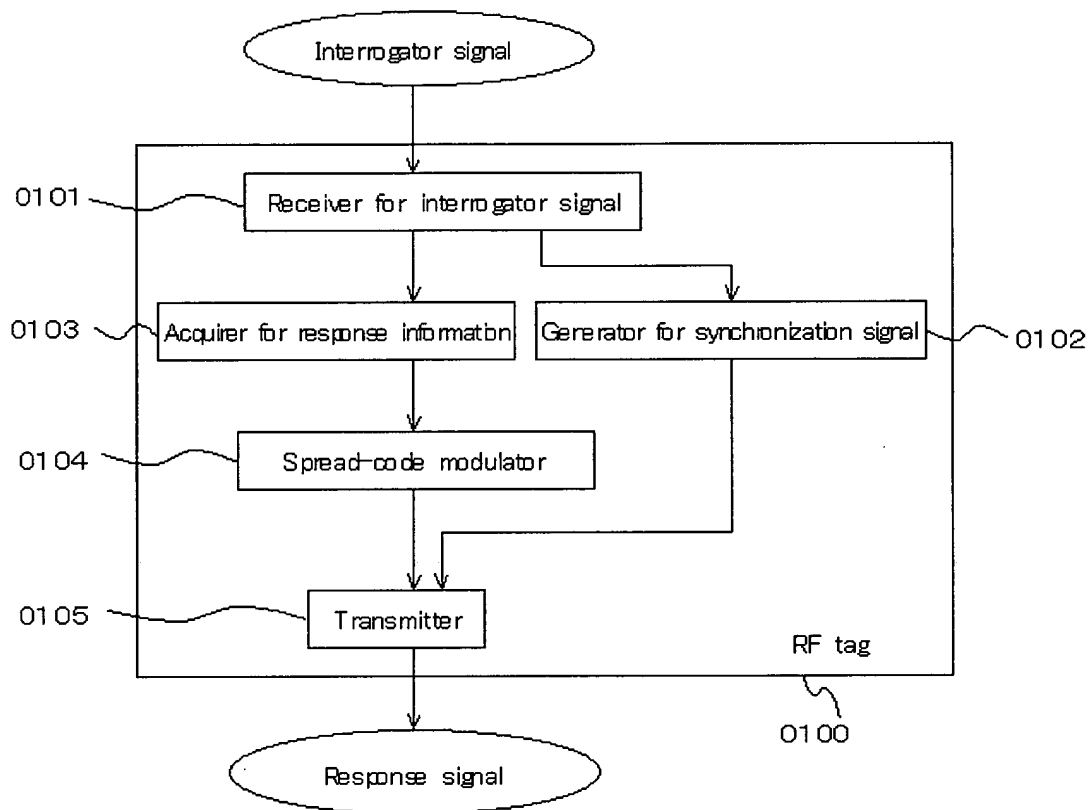


fig2

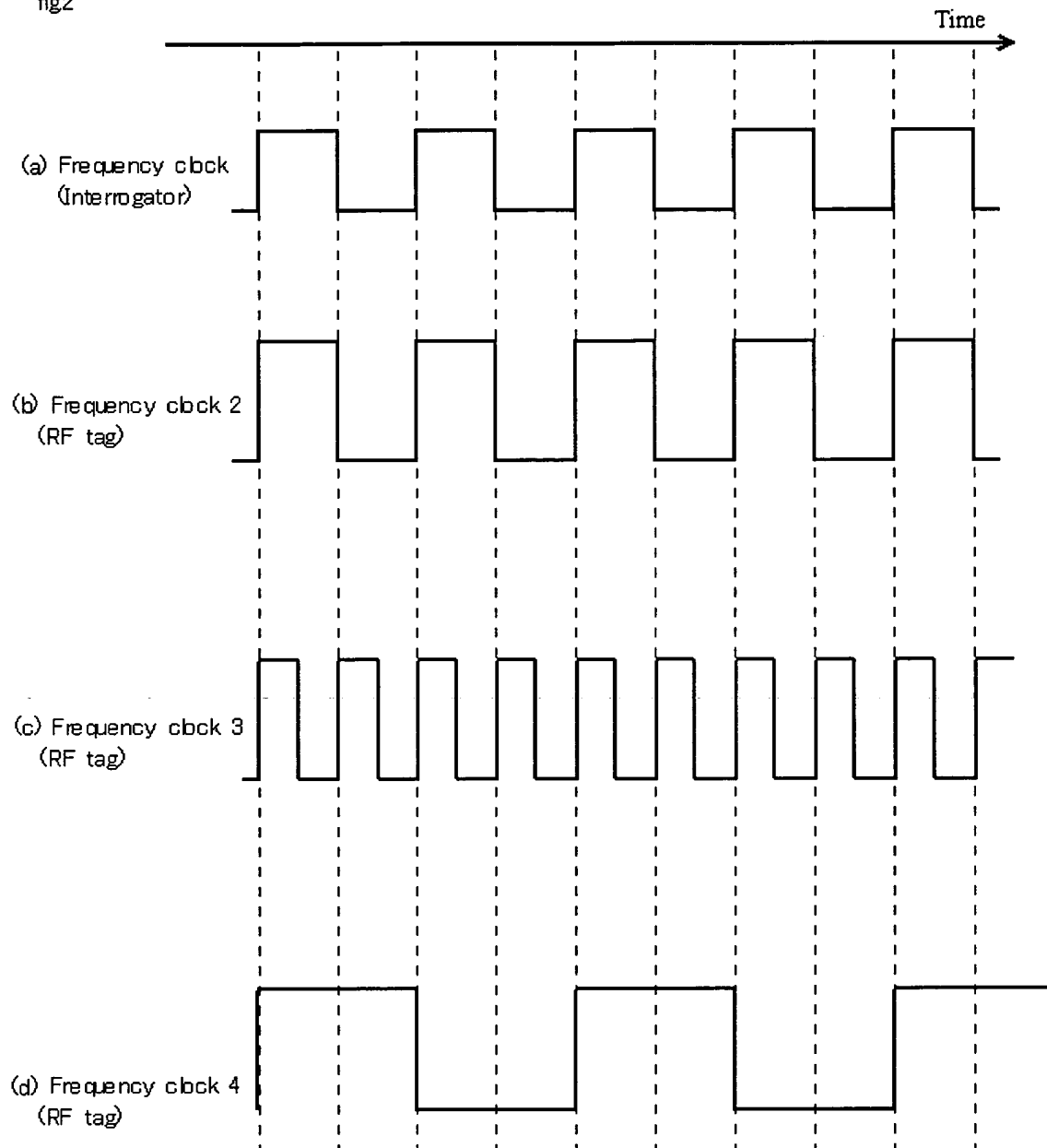


fig3

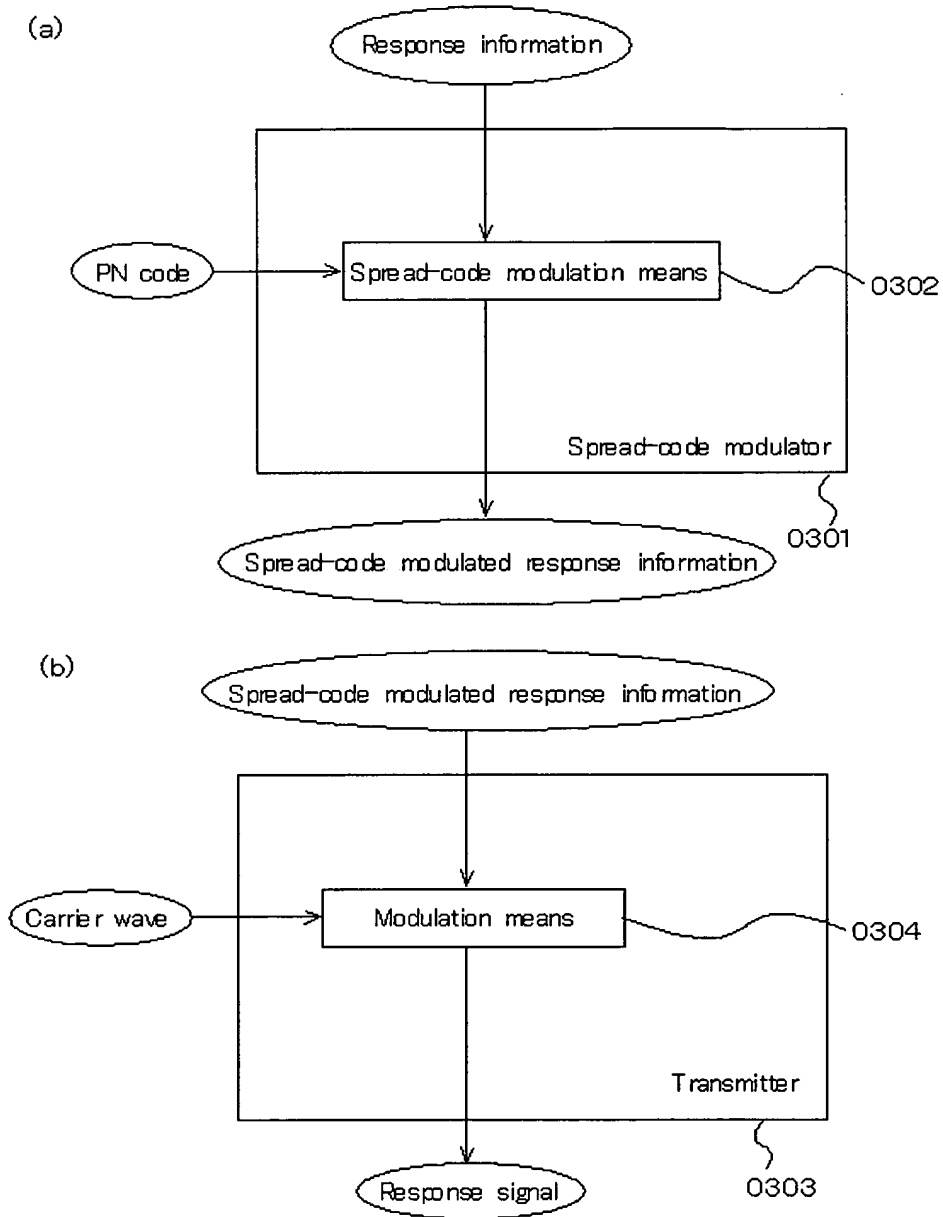


fig4

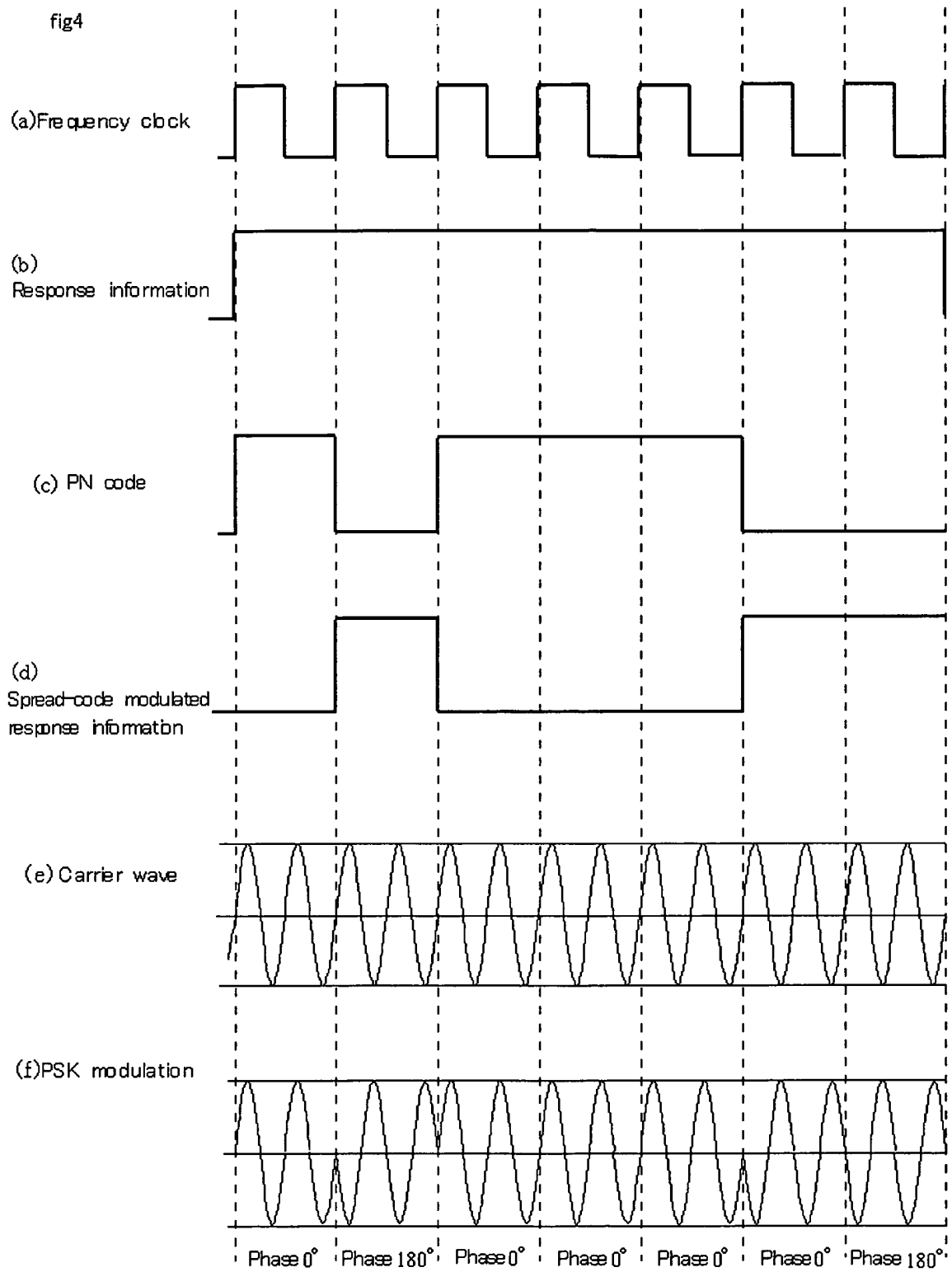


fig5

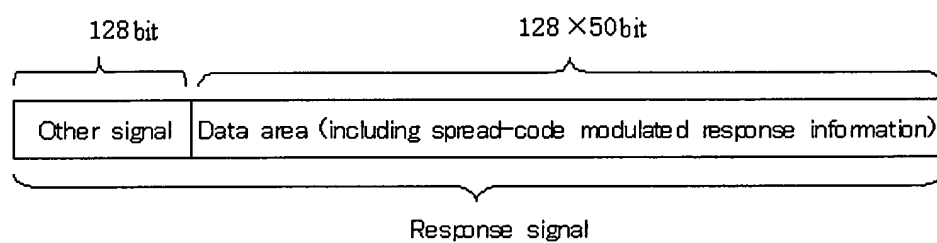


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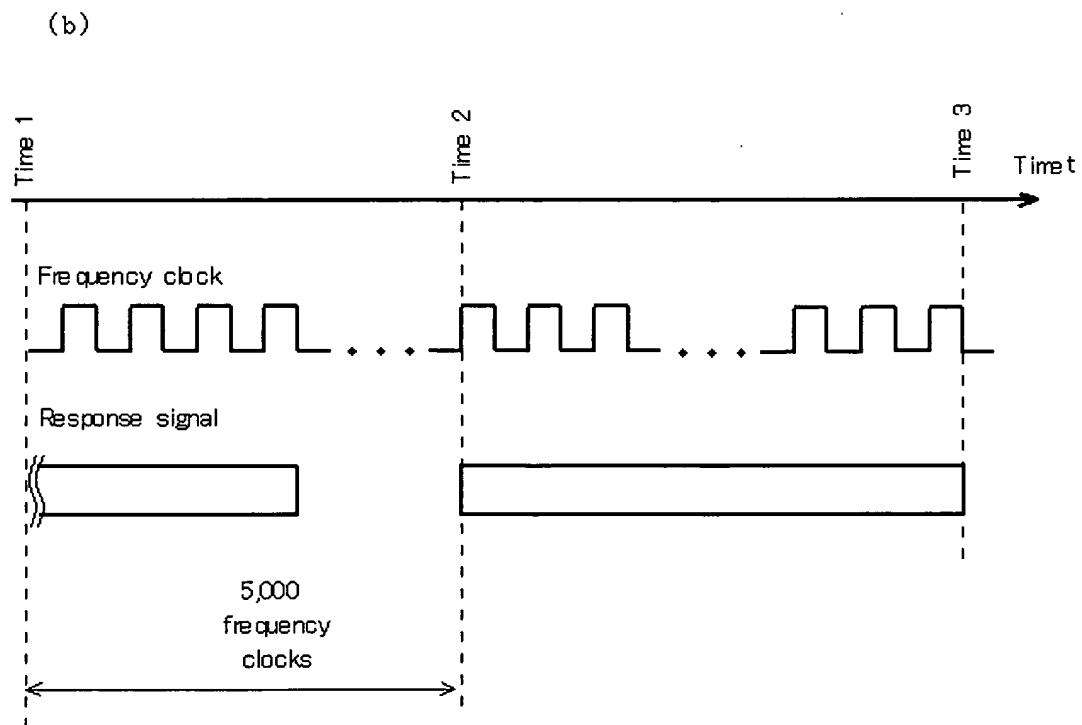
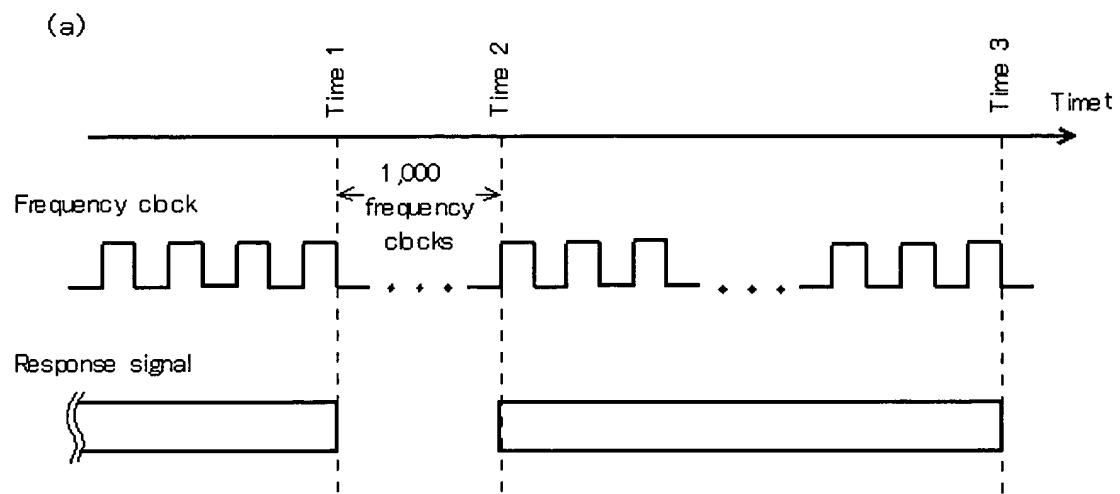


fig7

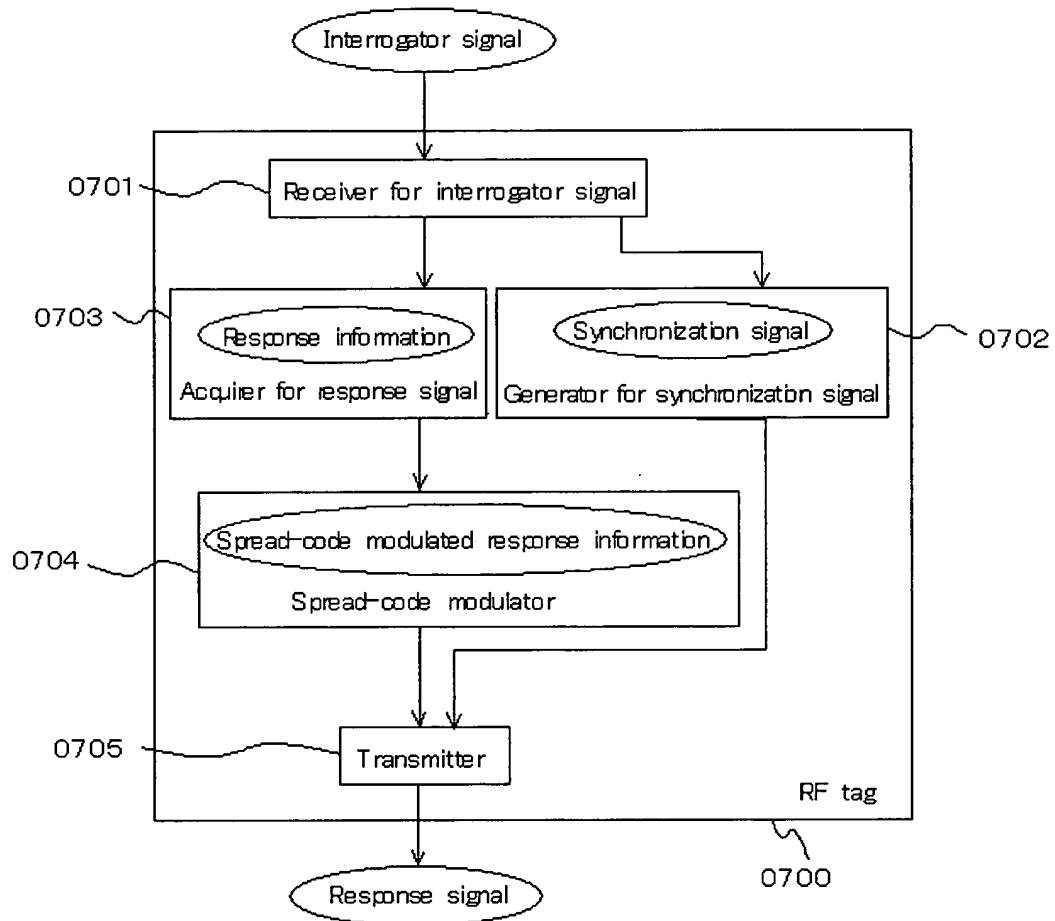


fig8

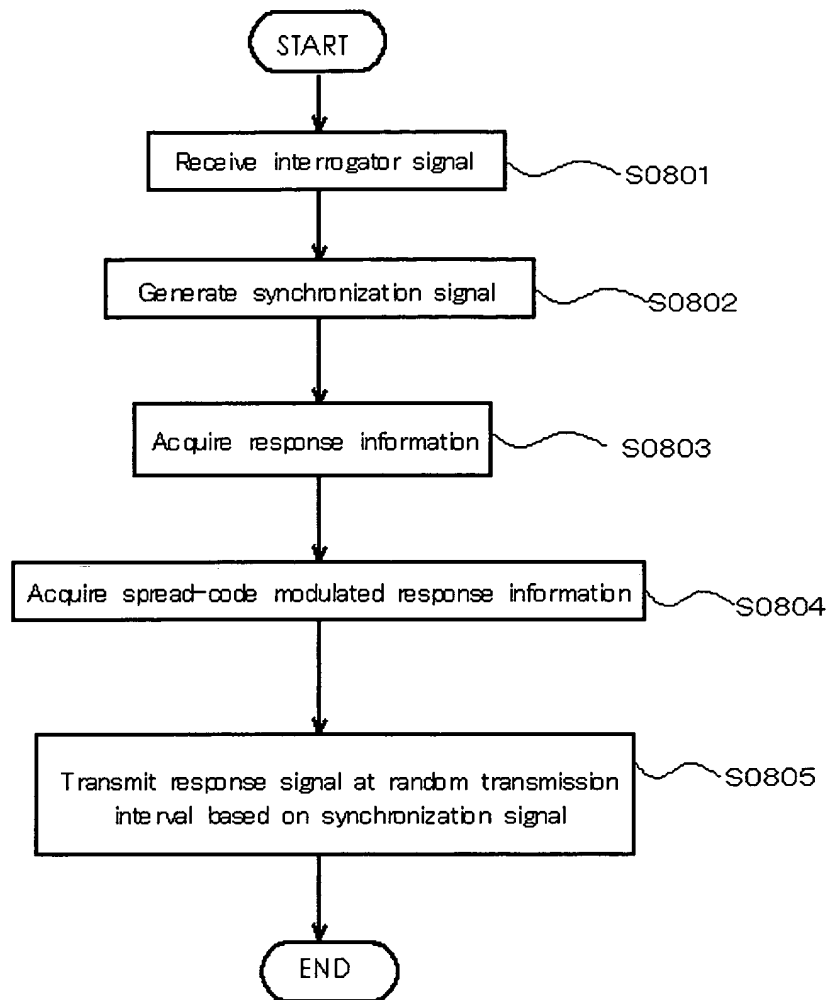




fig9

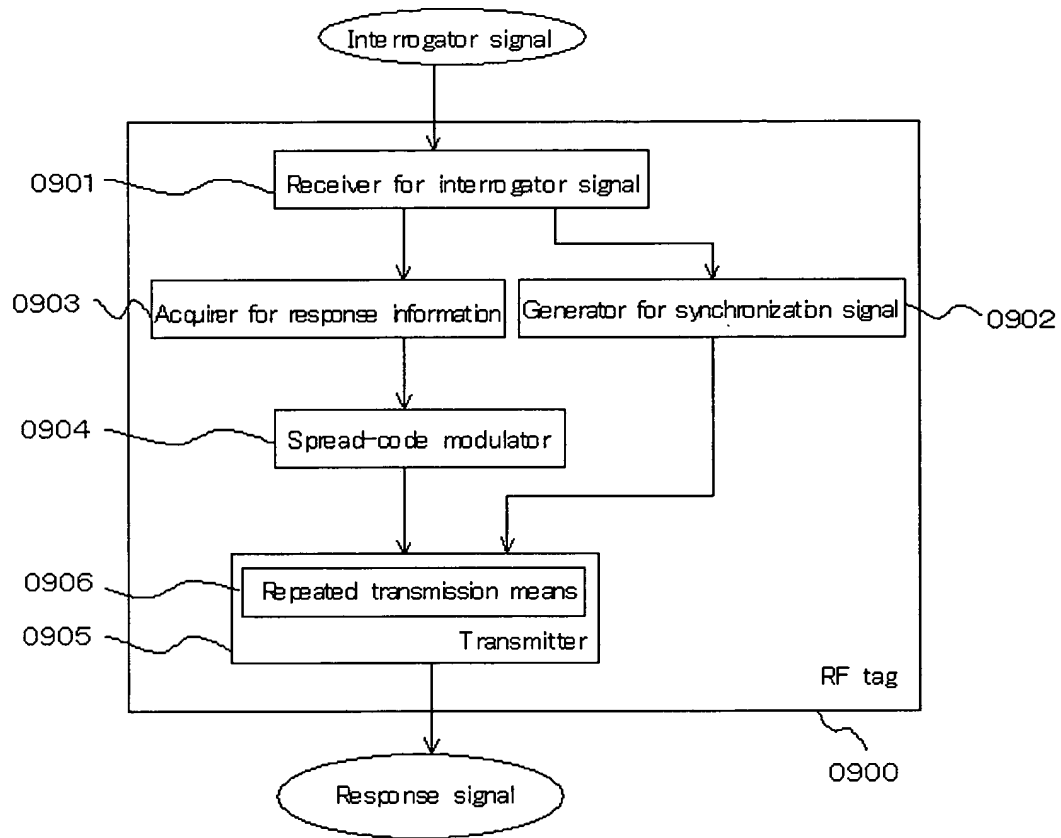
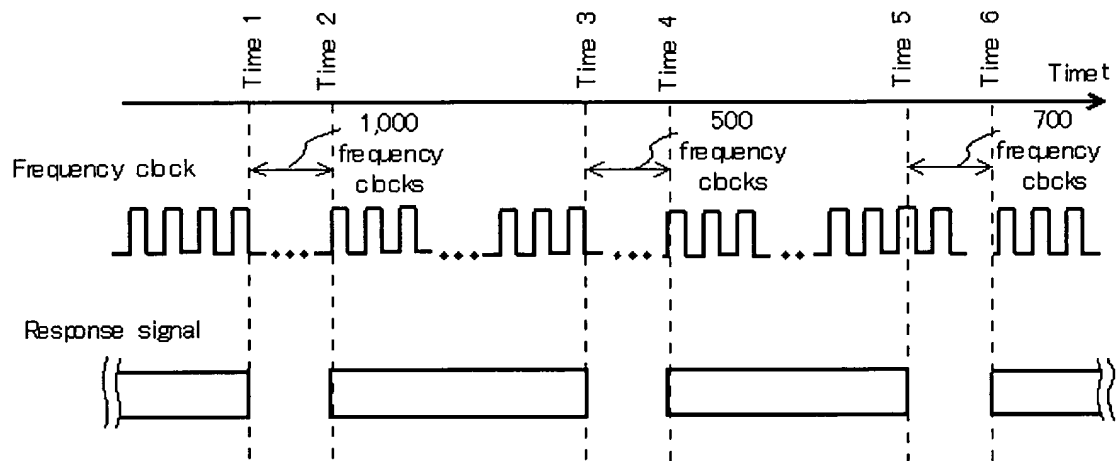


fig10

(a)



(b)

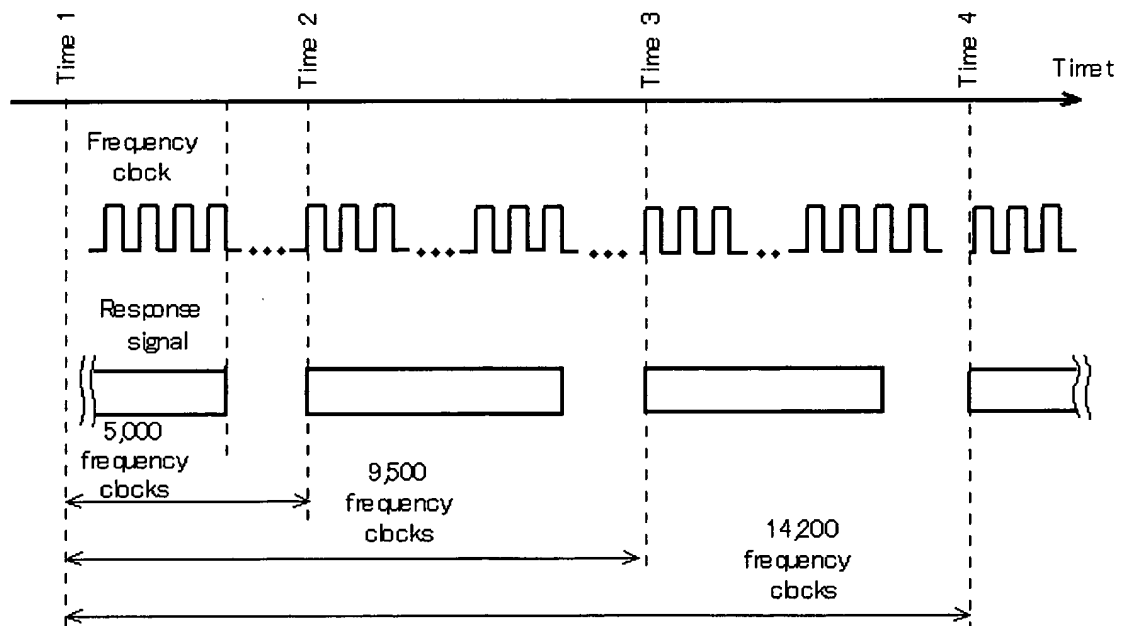


fig11

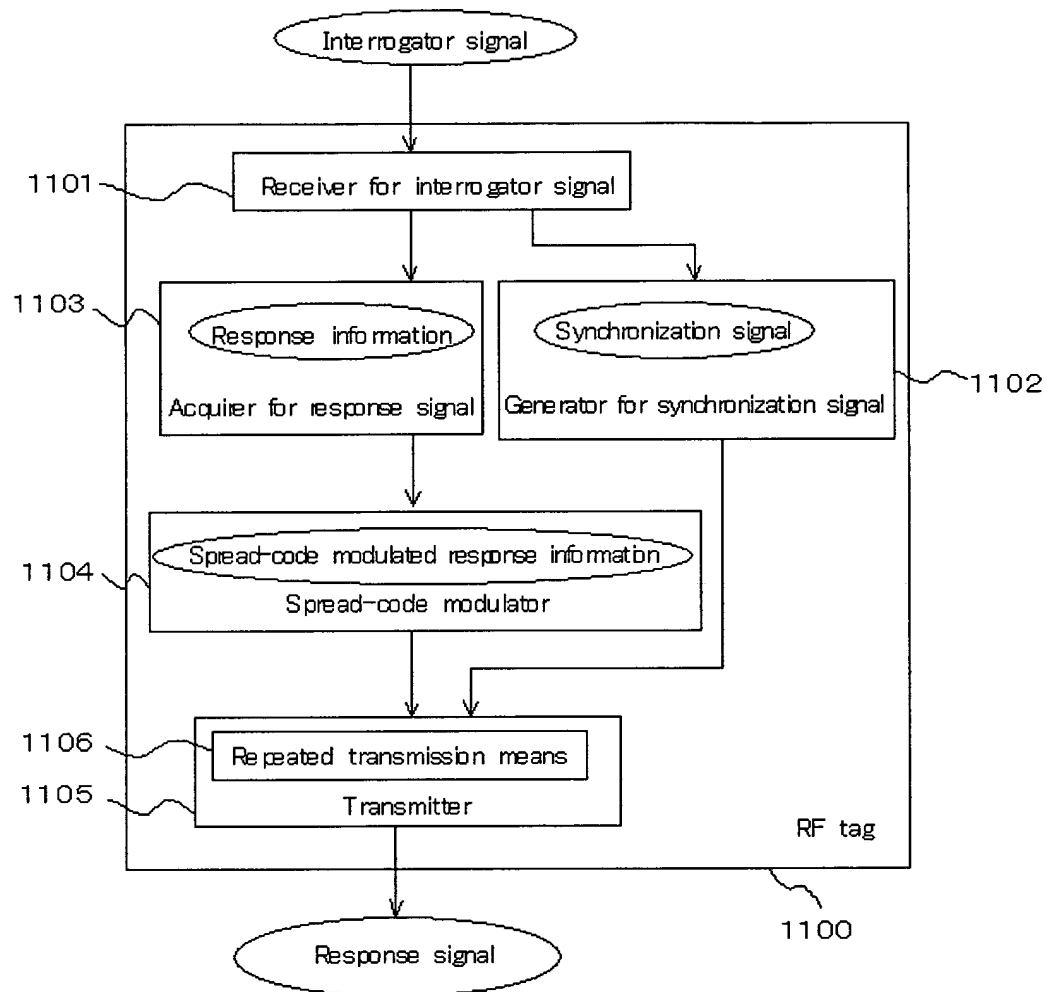


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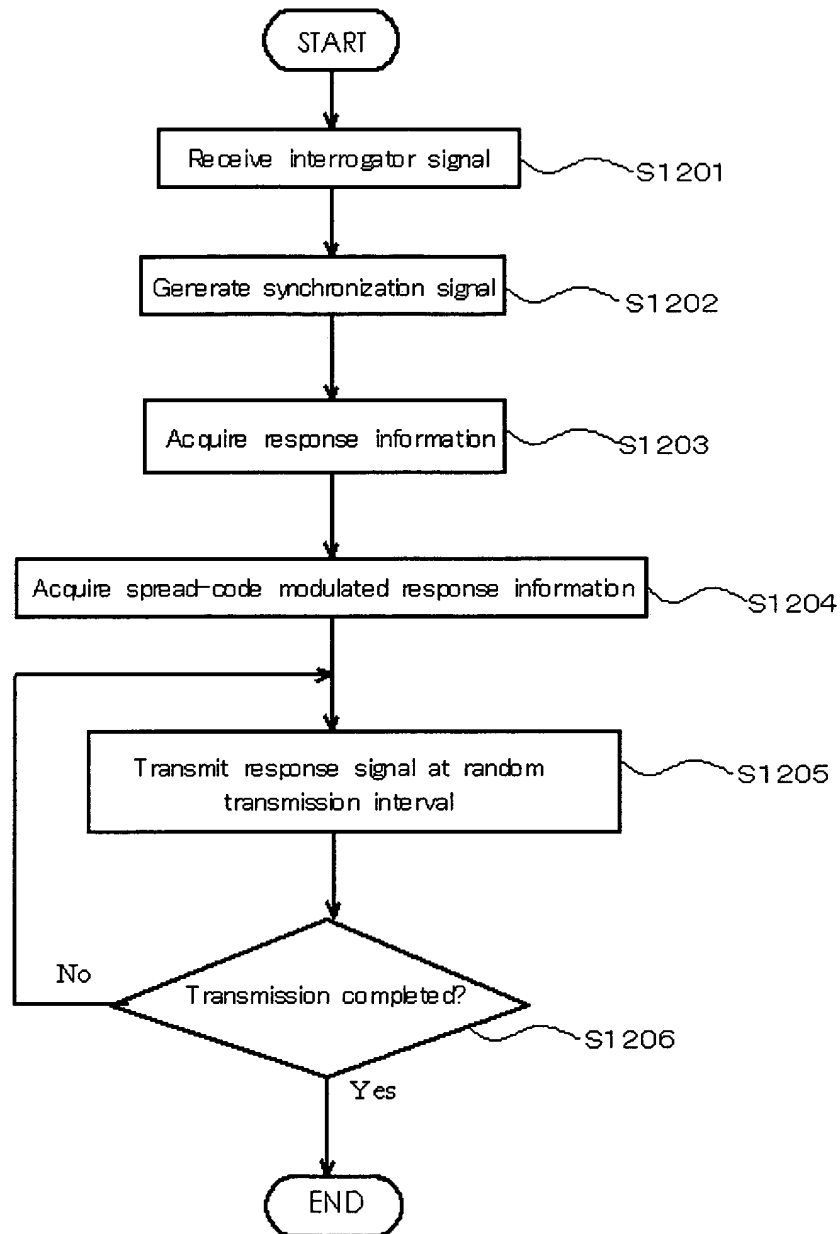


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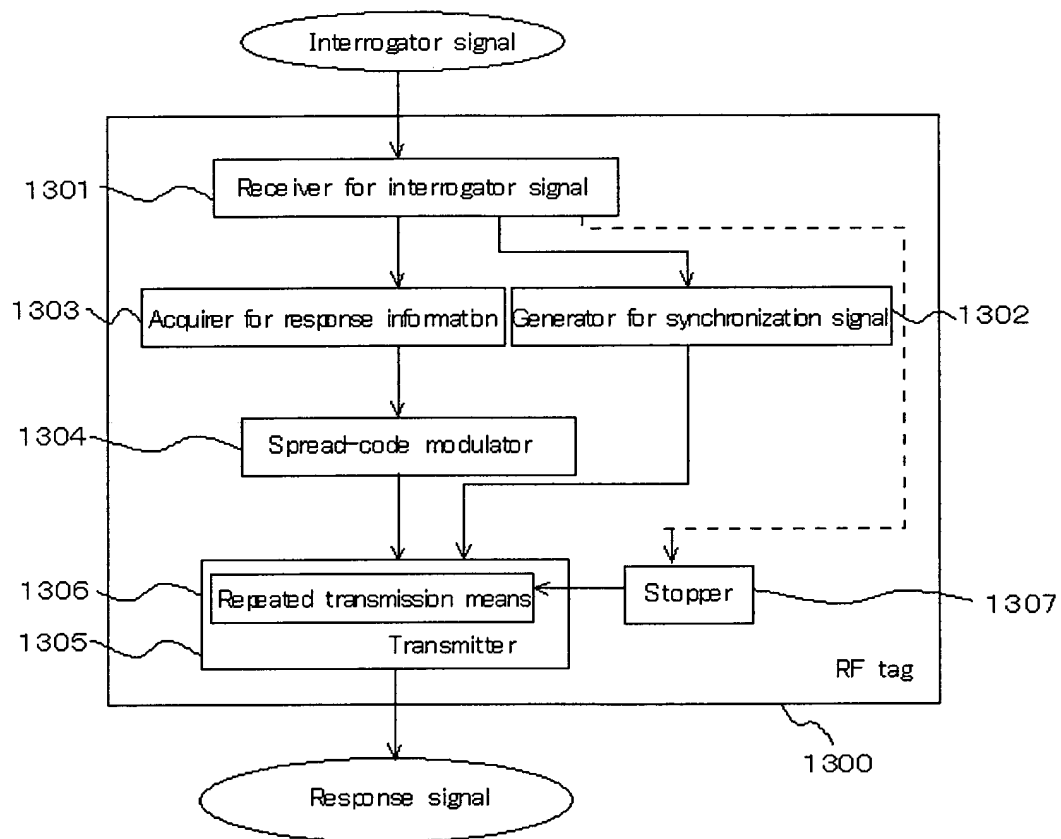


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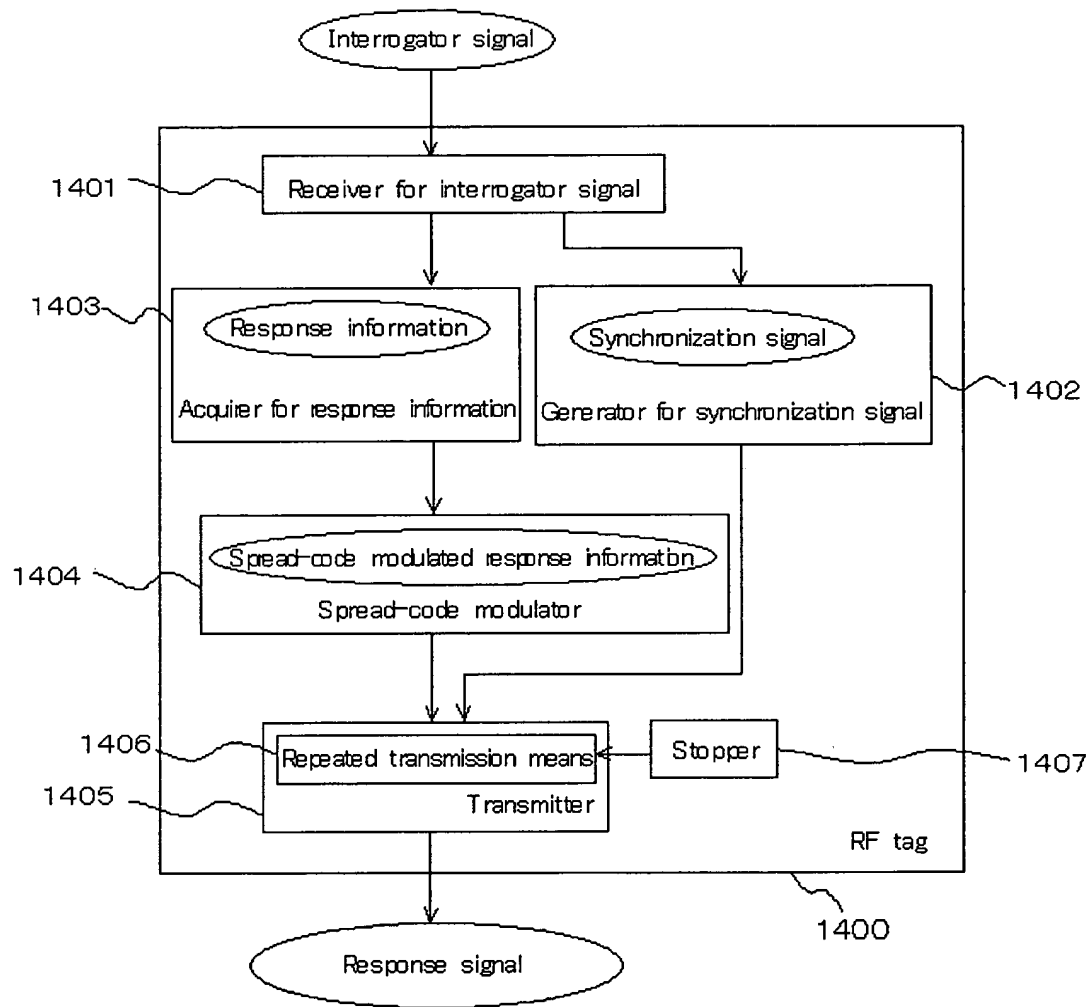


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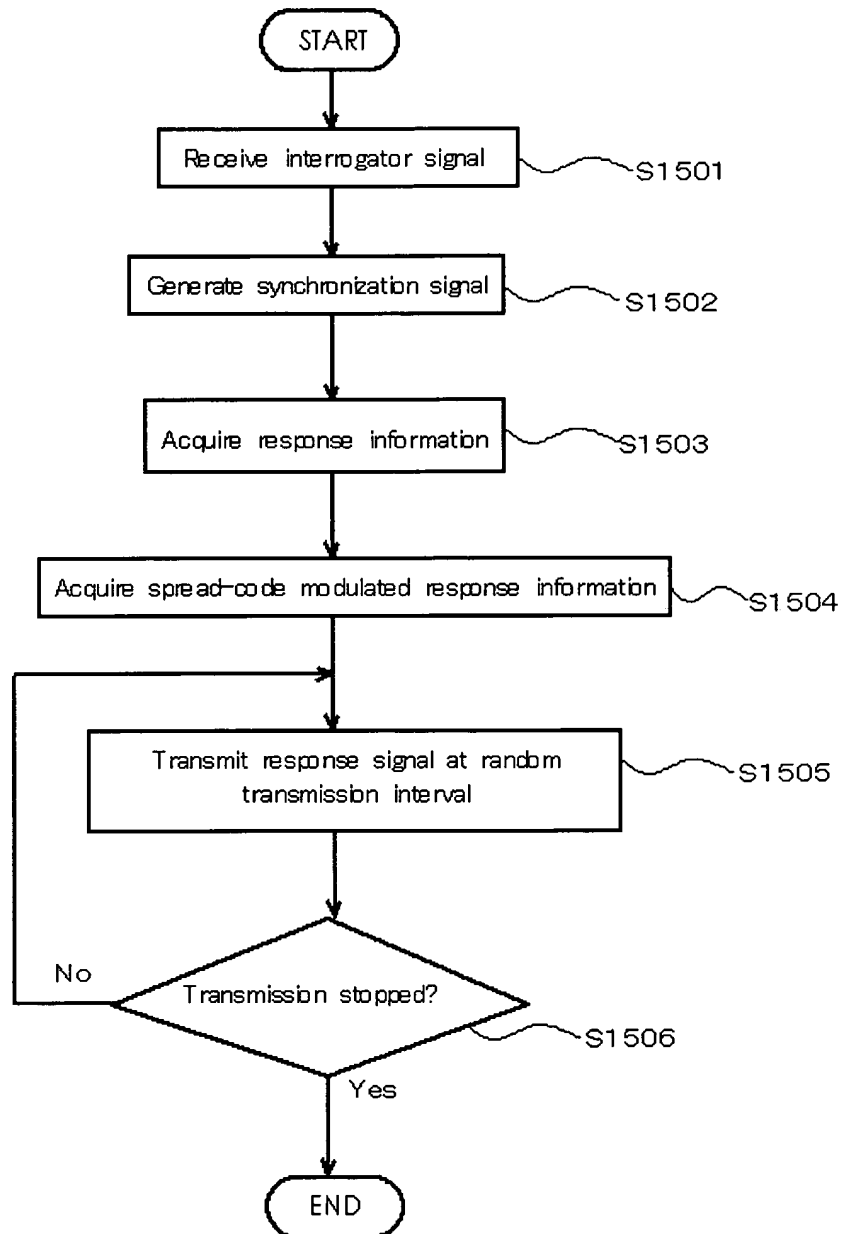


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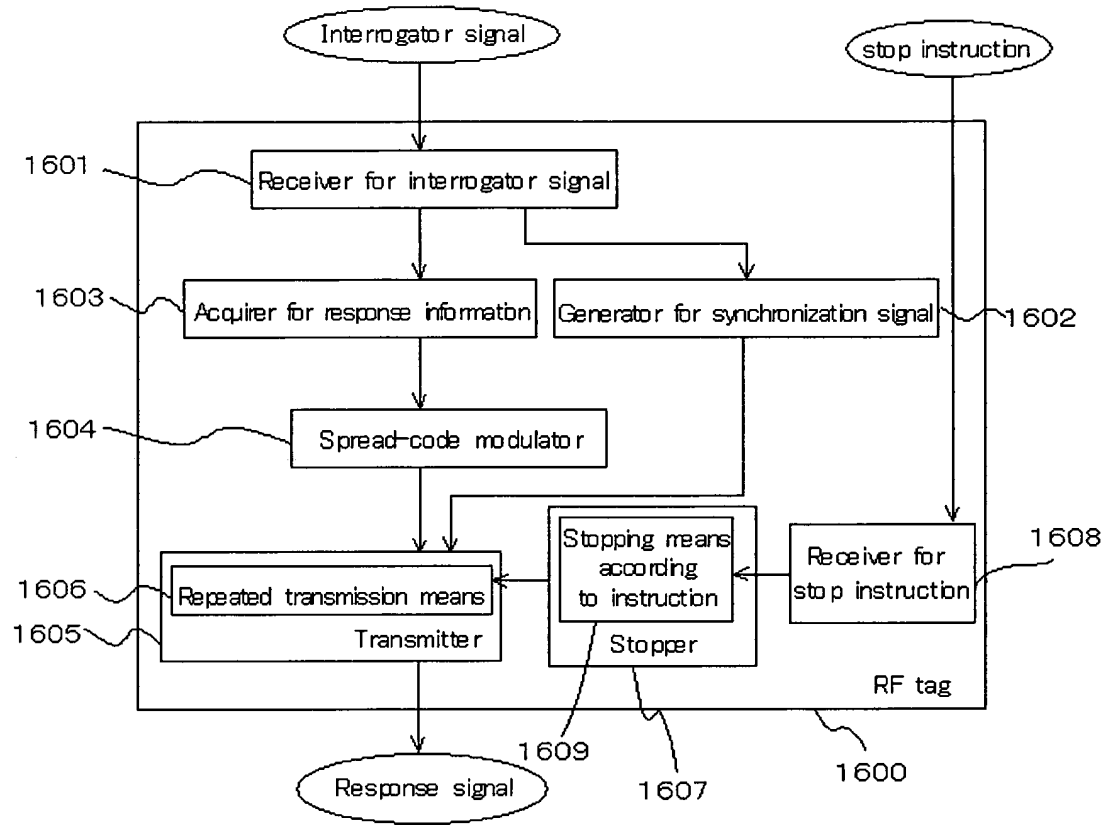




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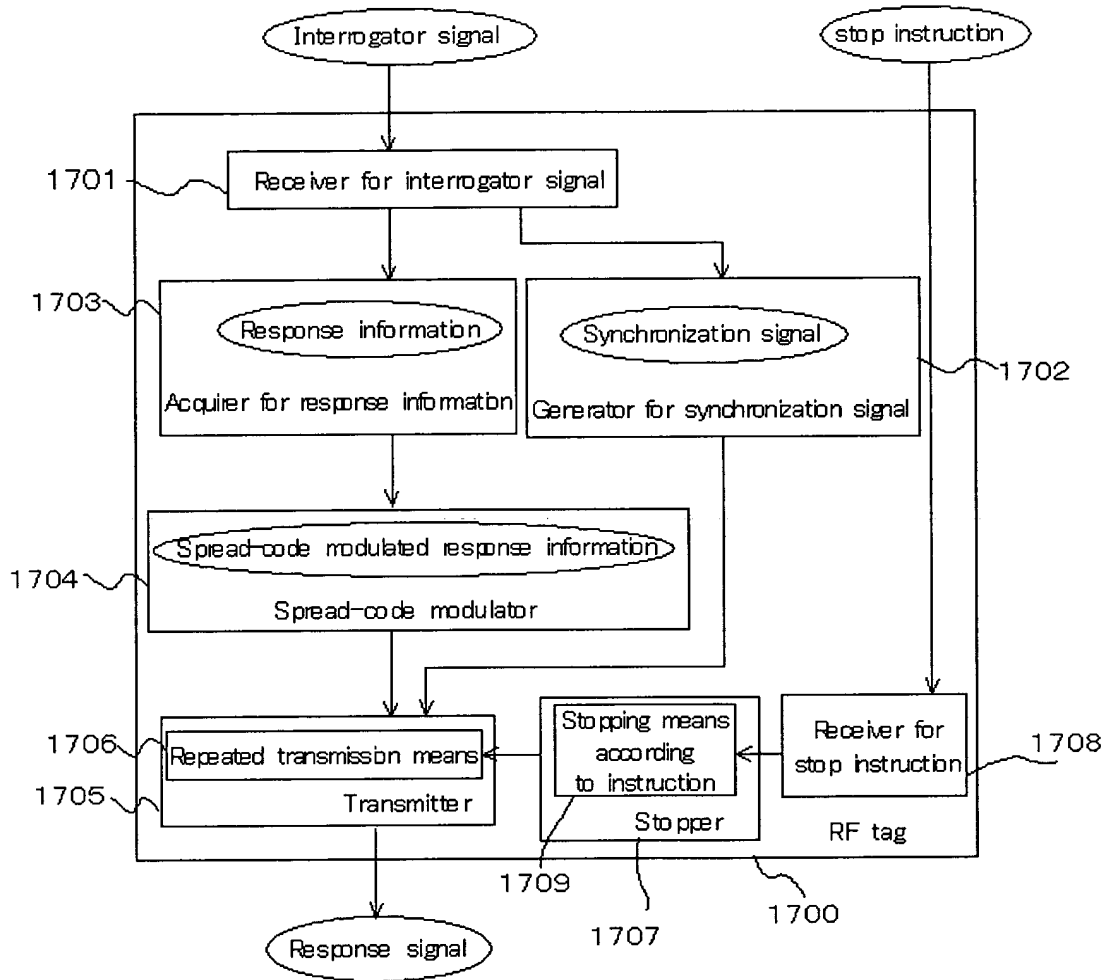


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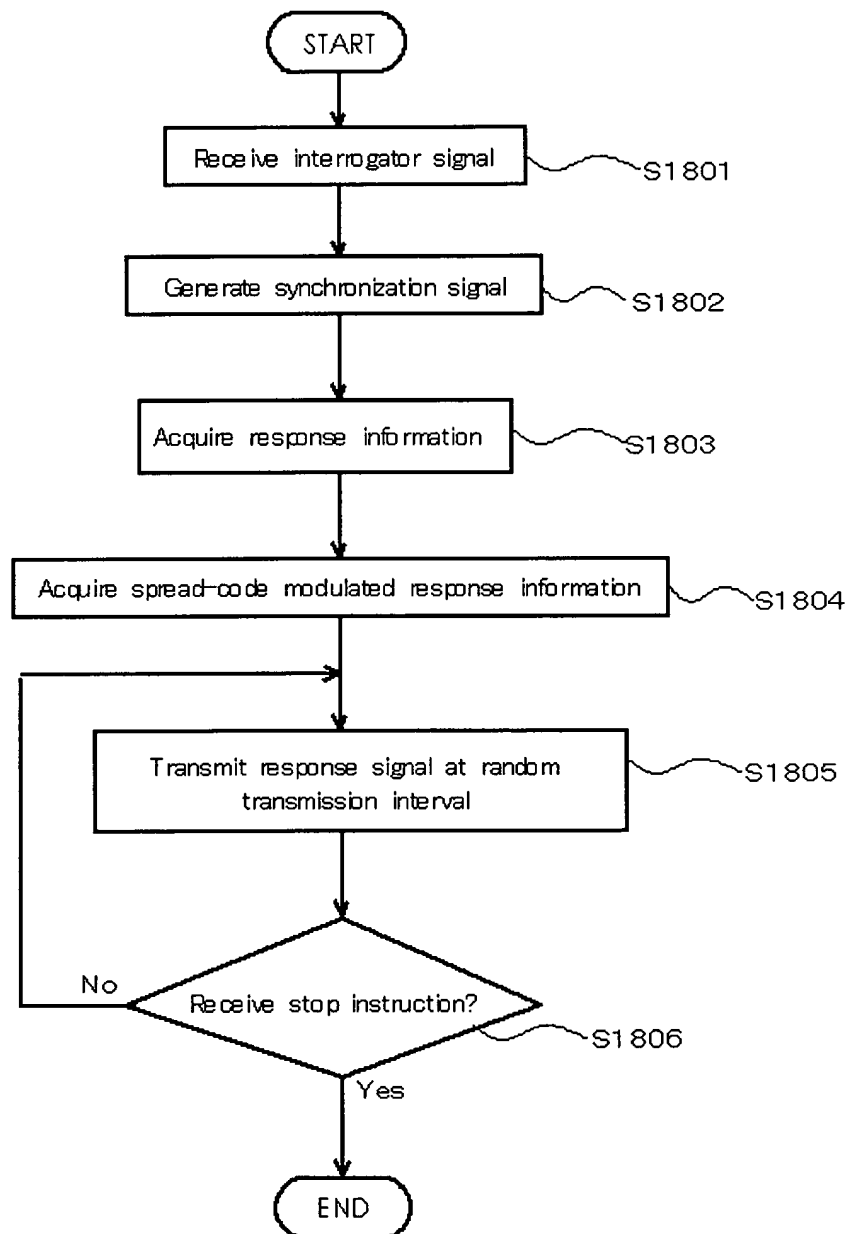


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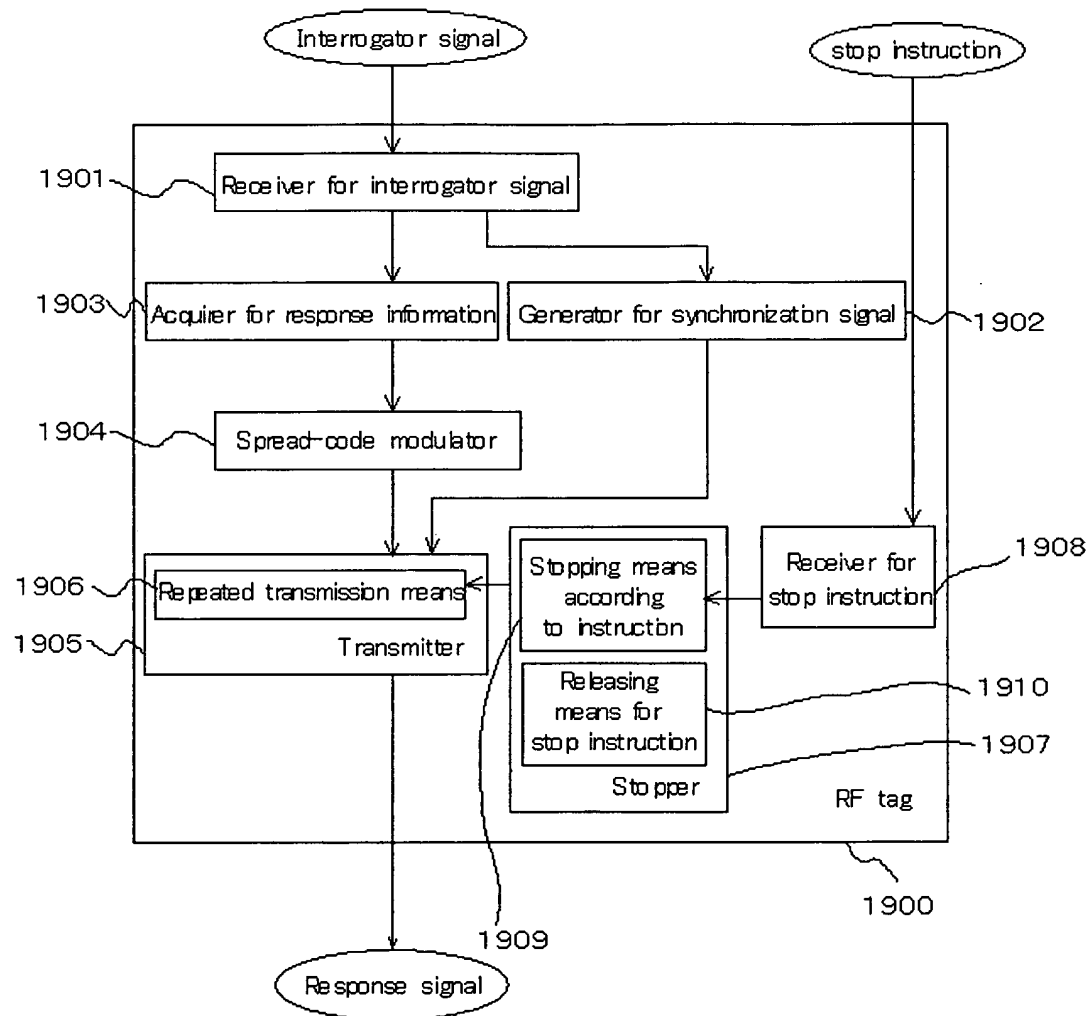


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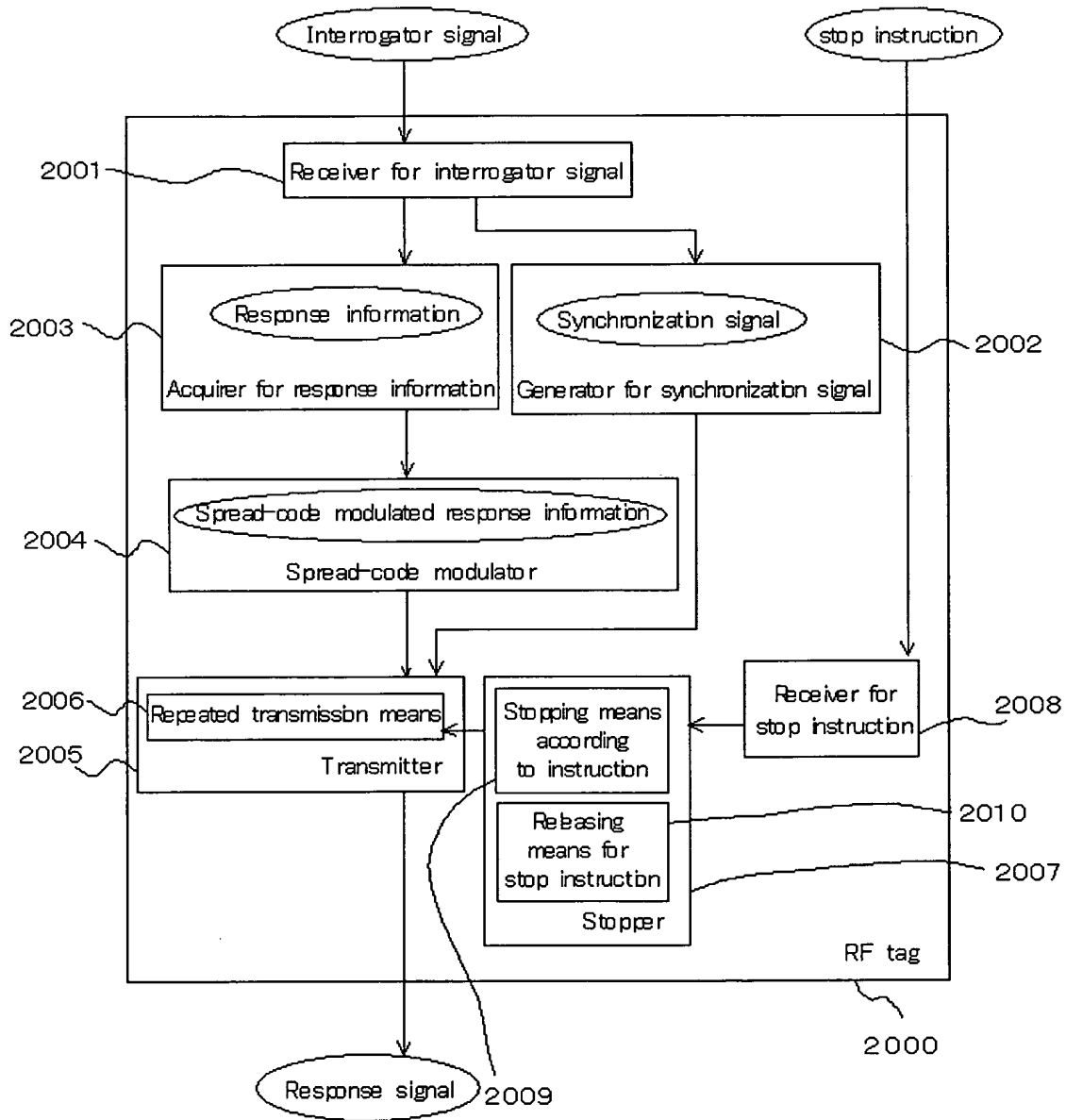


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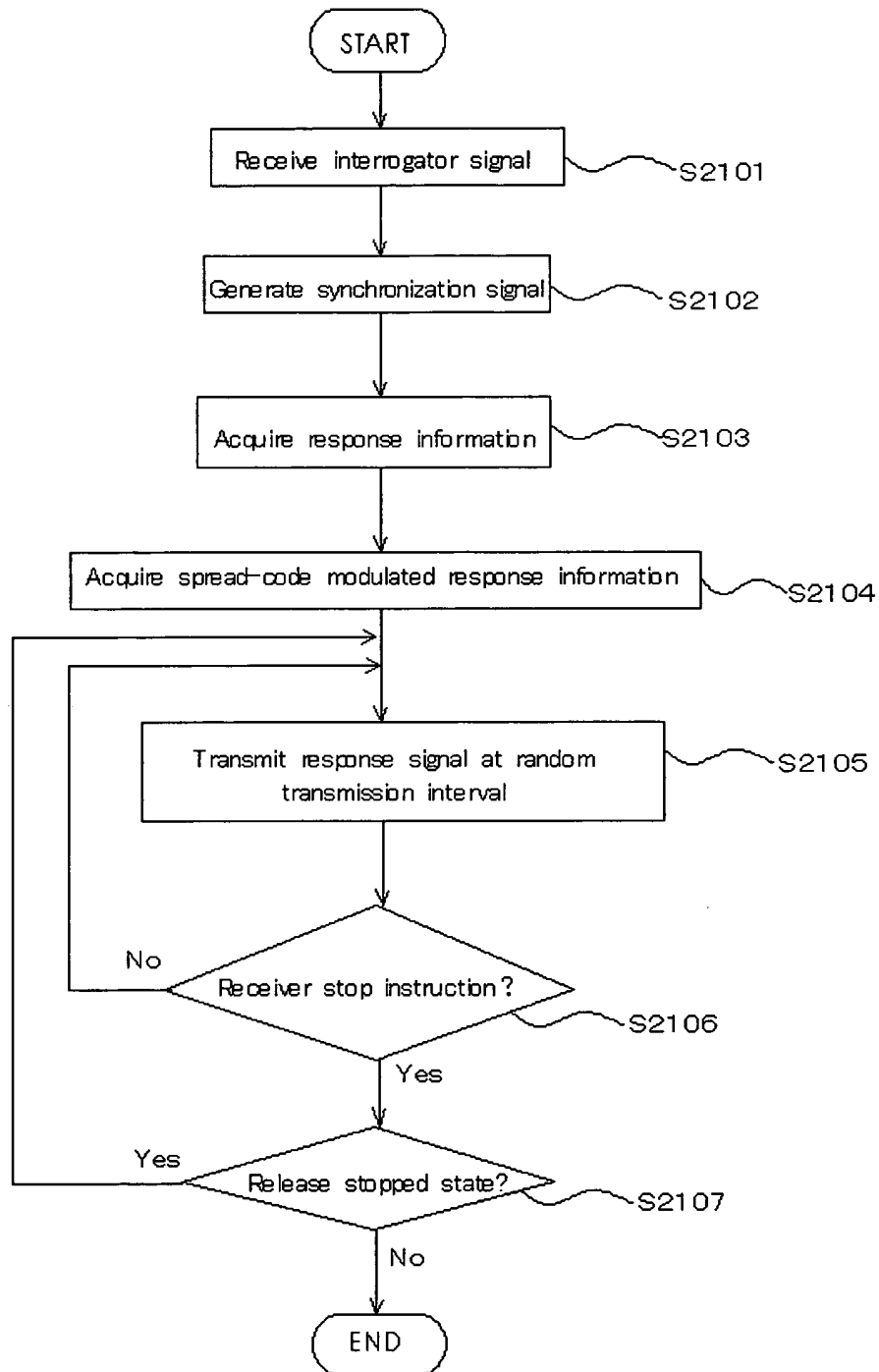


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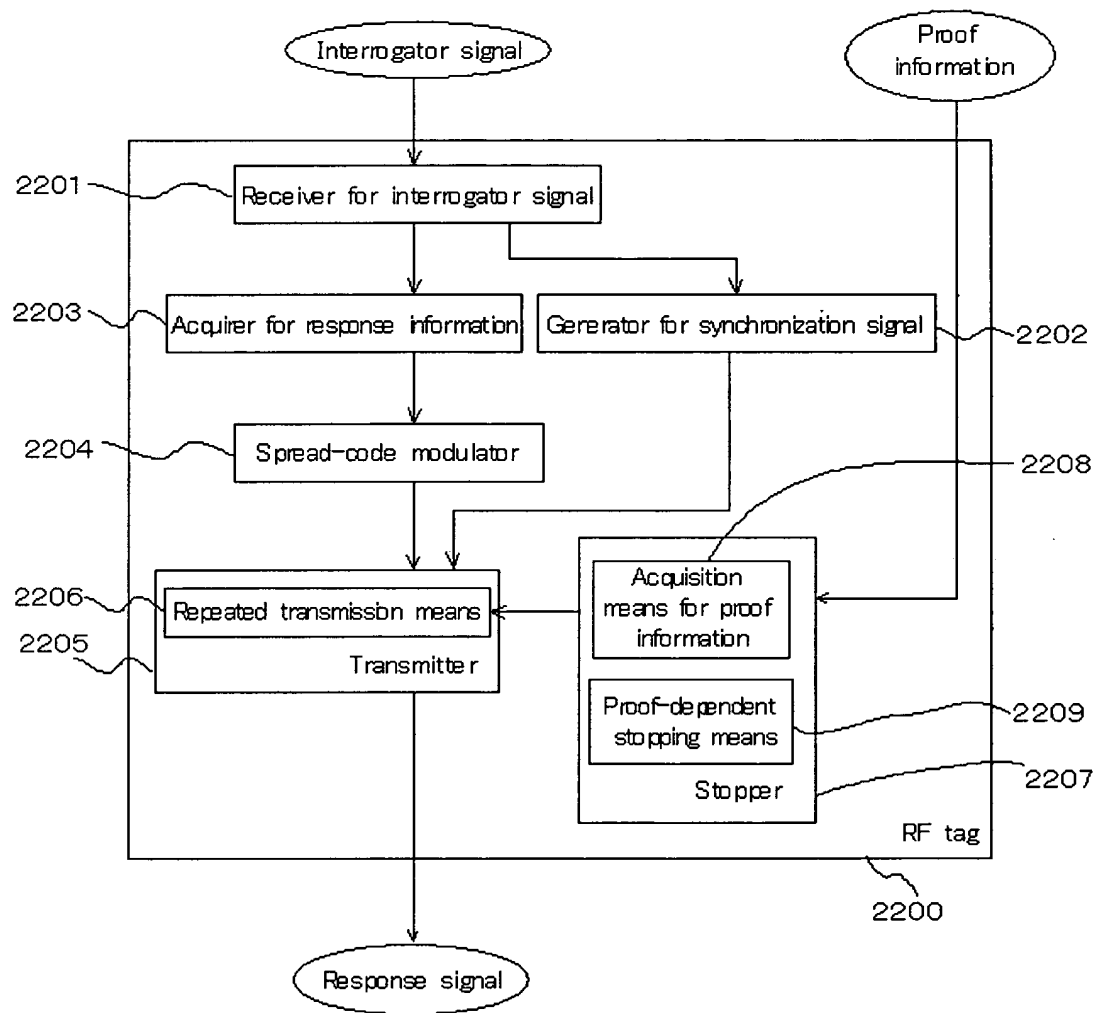


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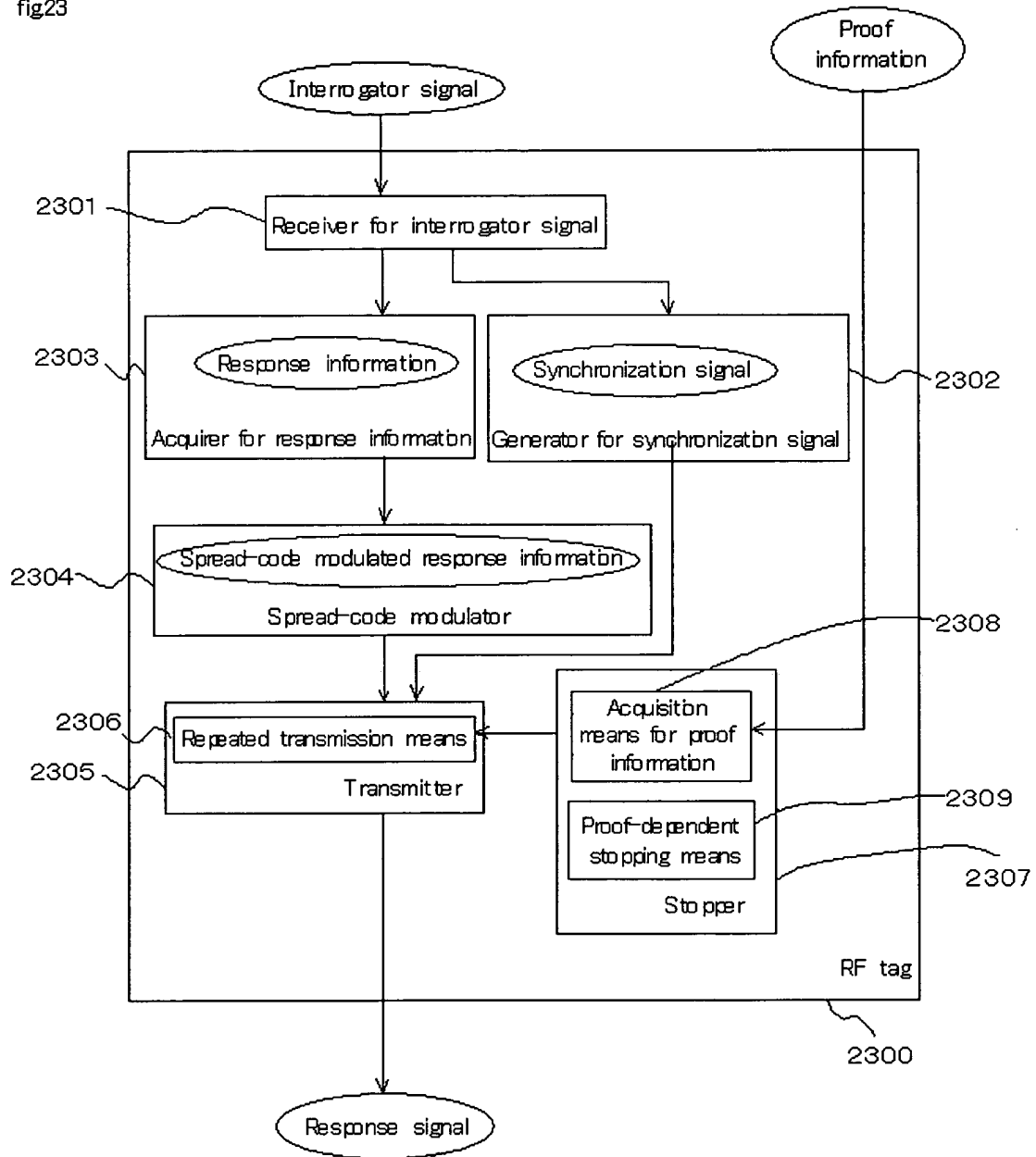


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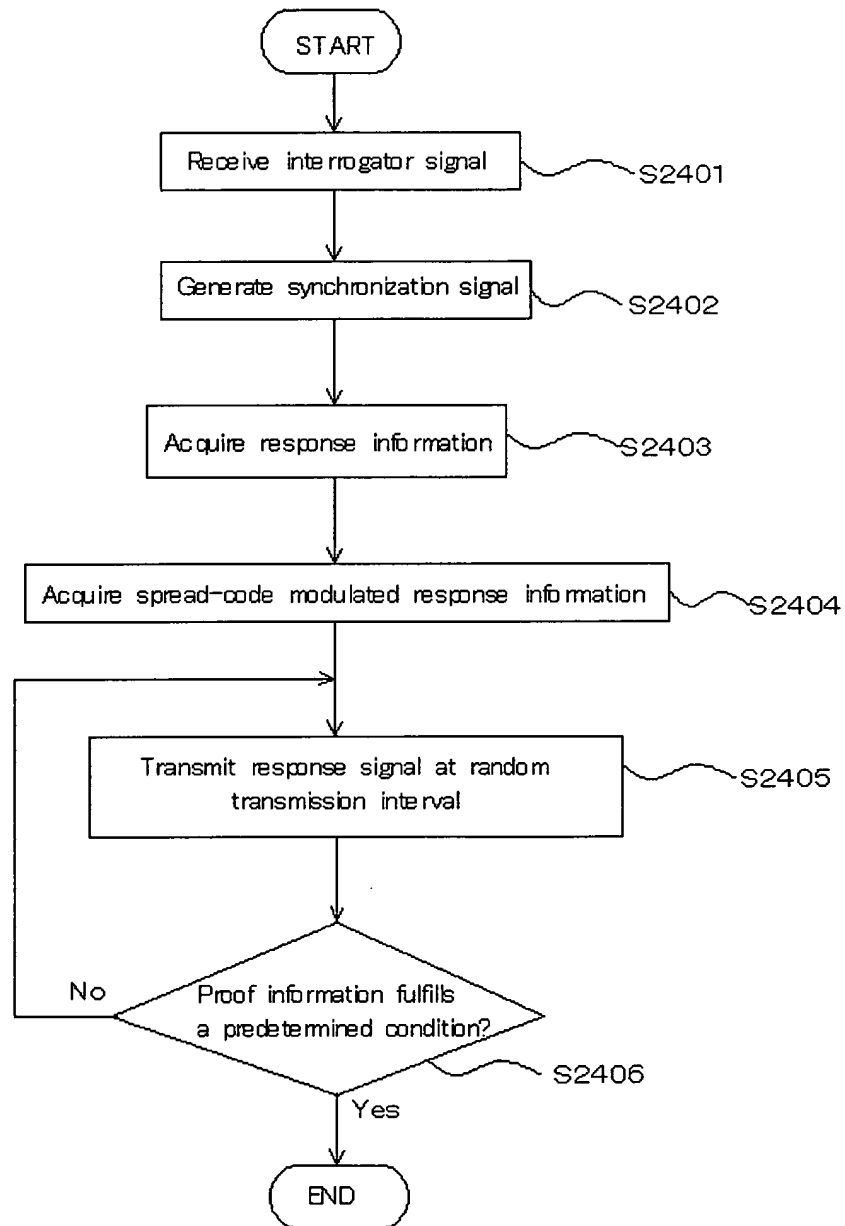




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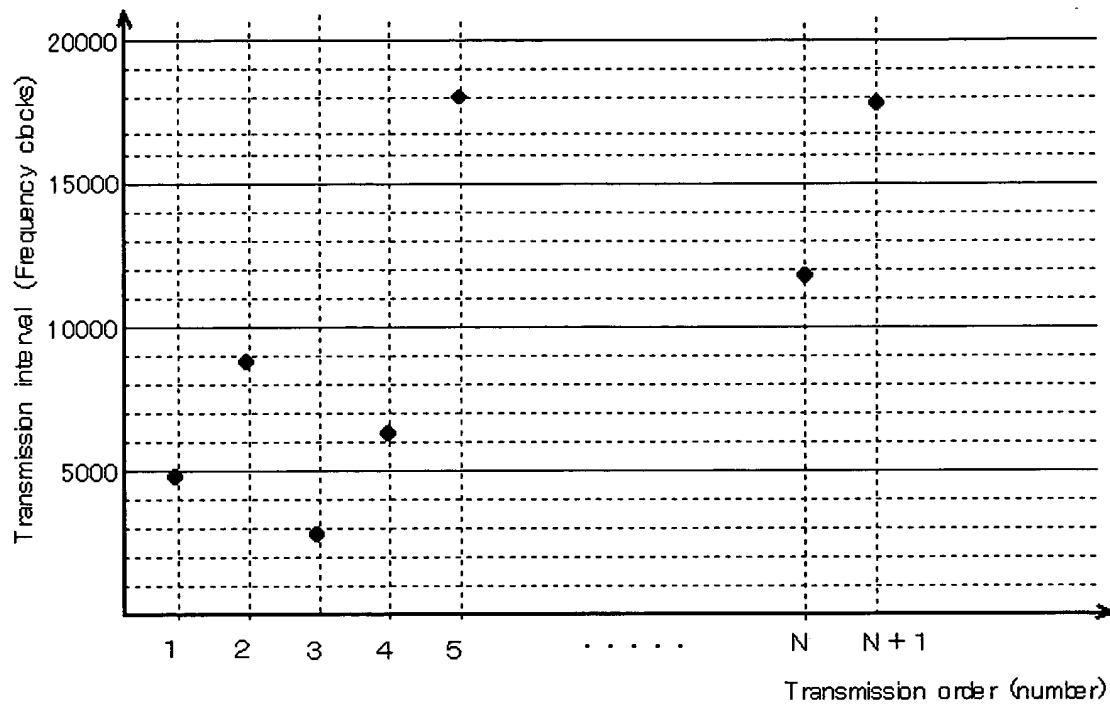


fig26

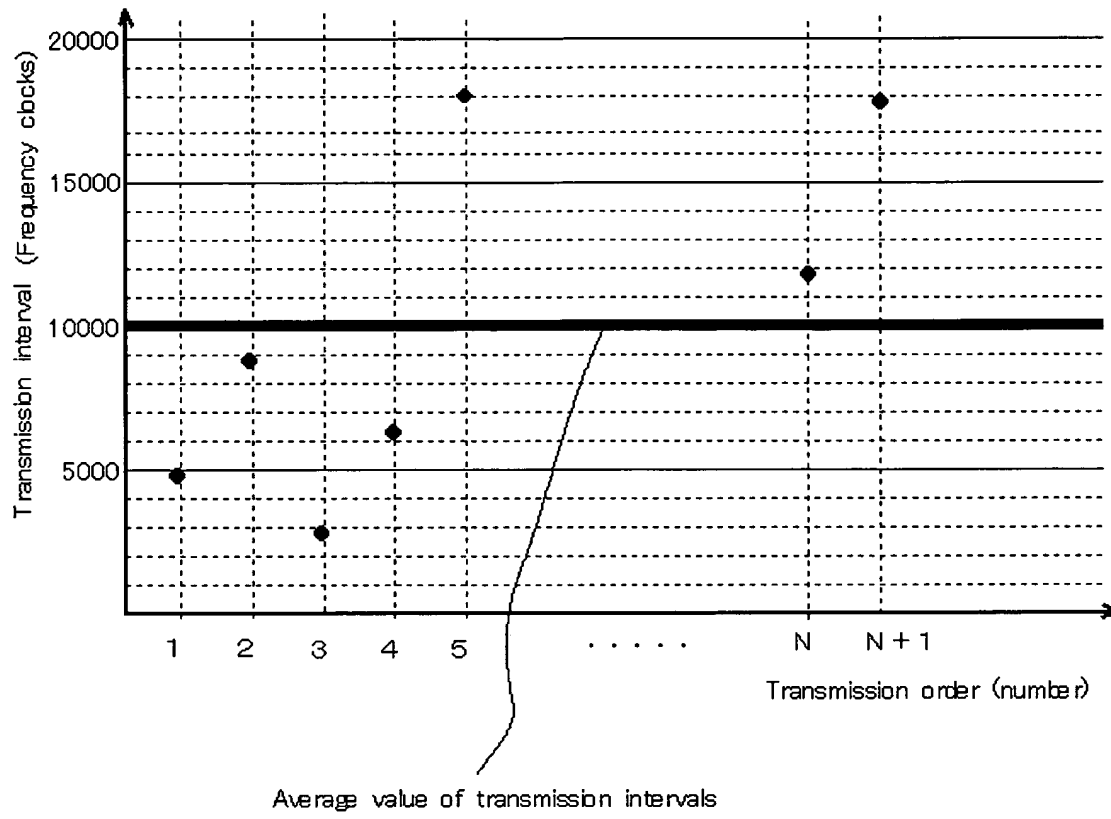


fig27

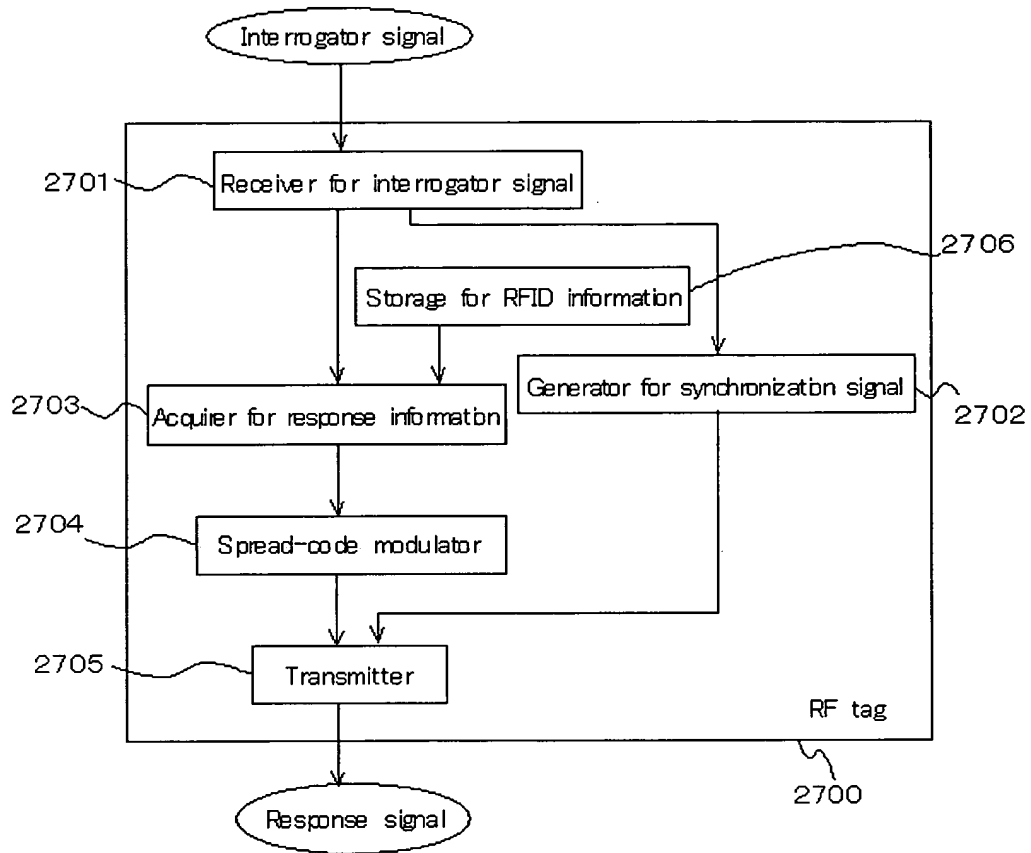


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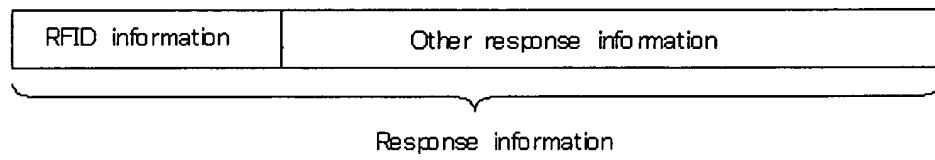


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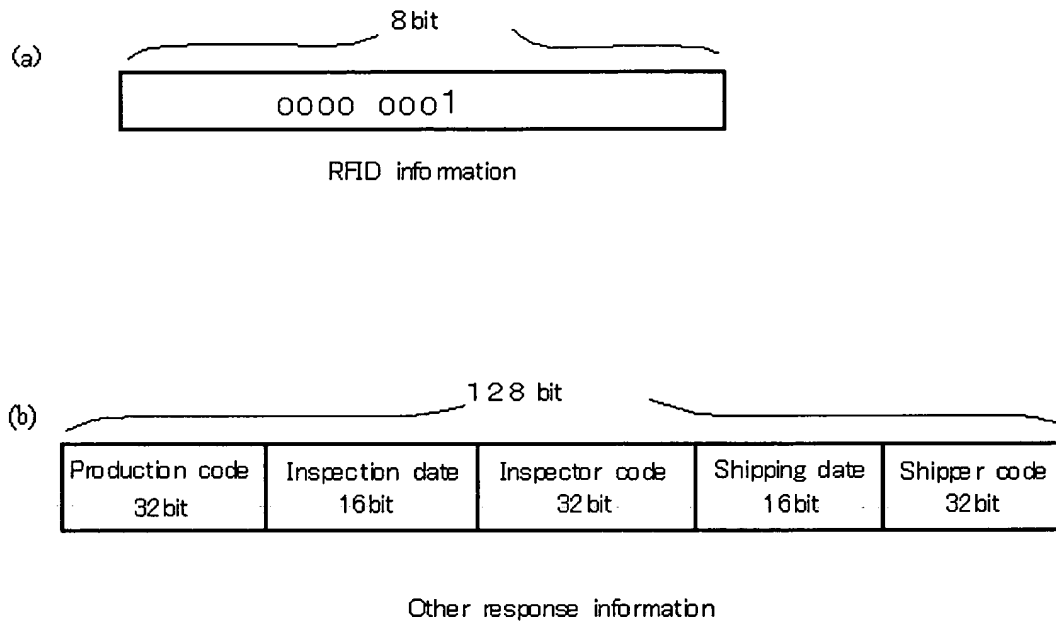


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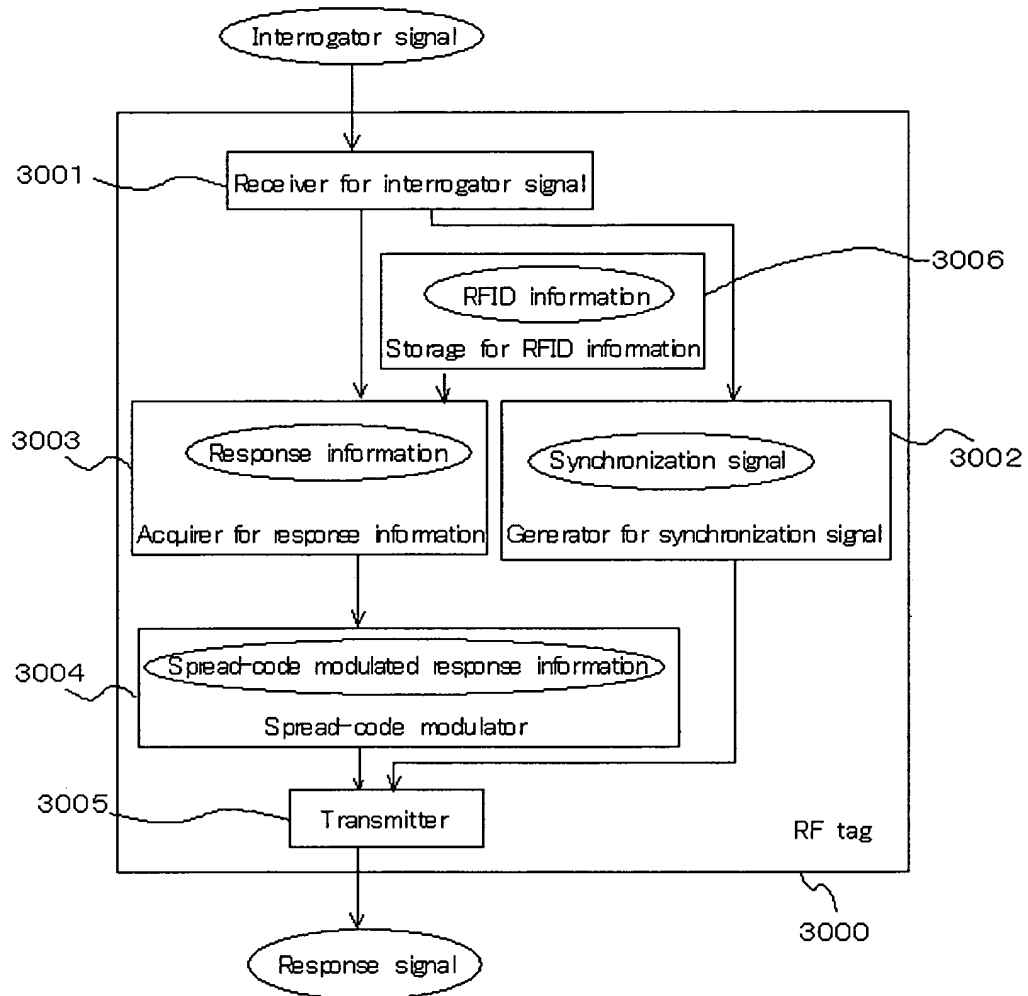


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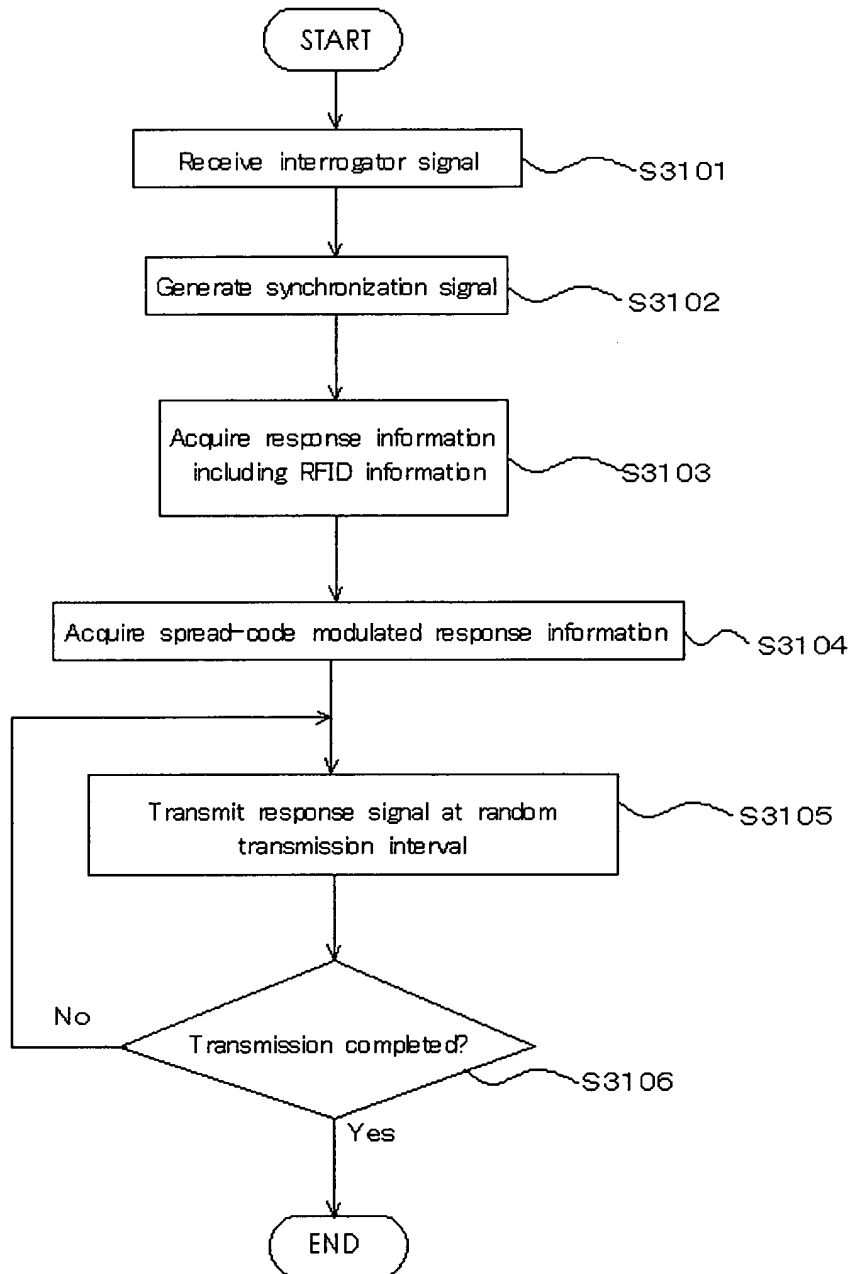


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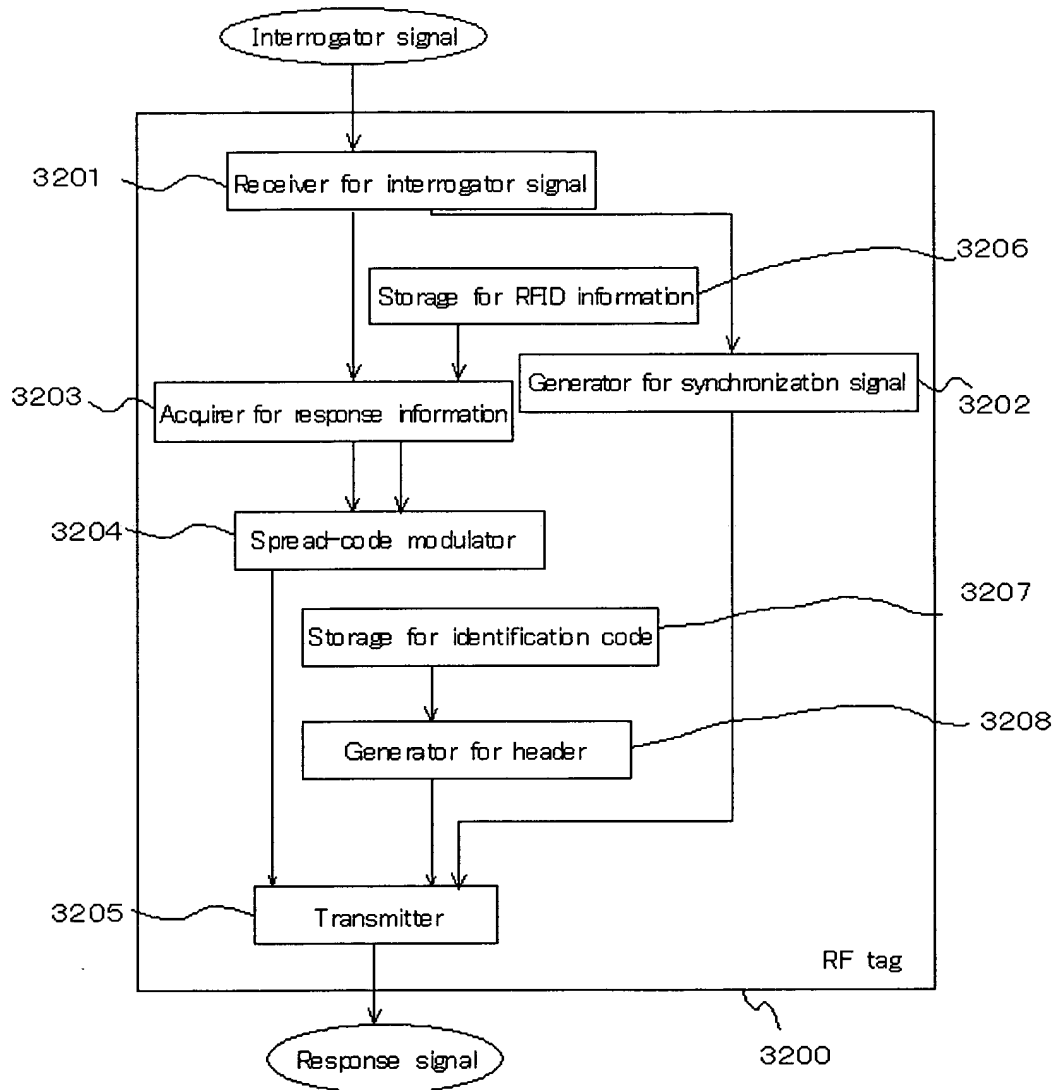




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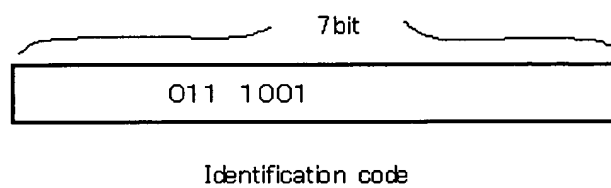


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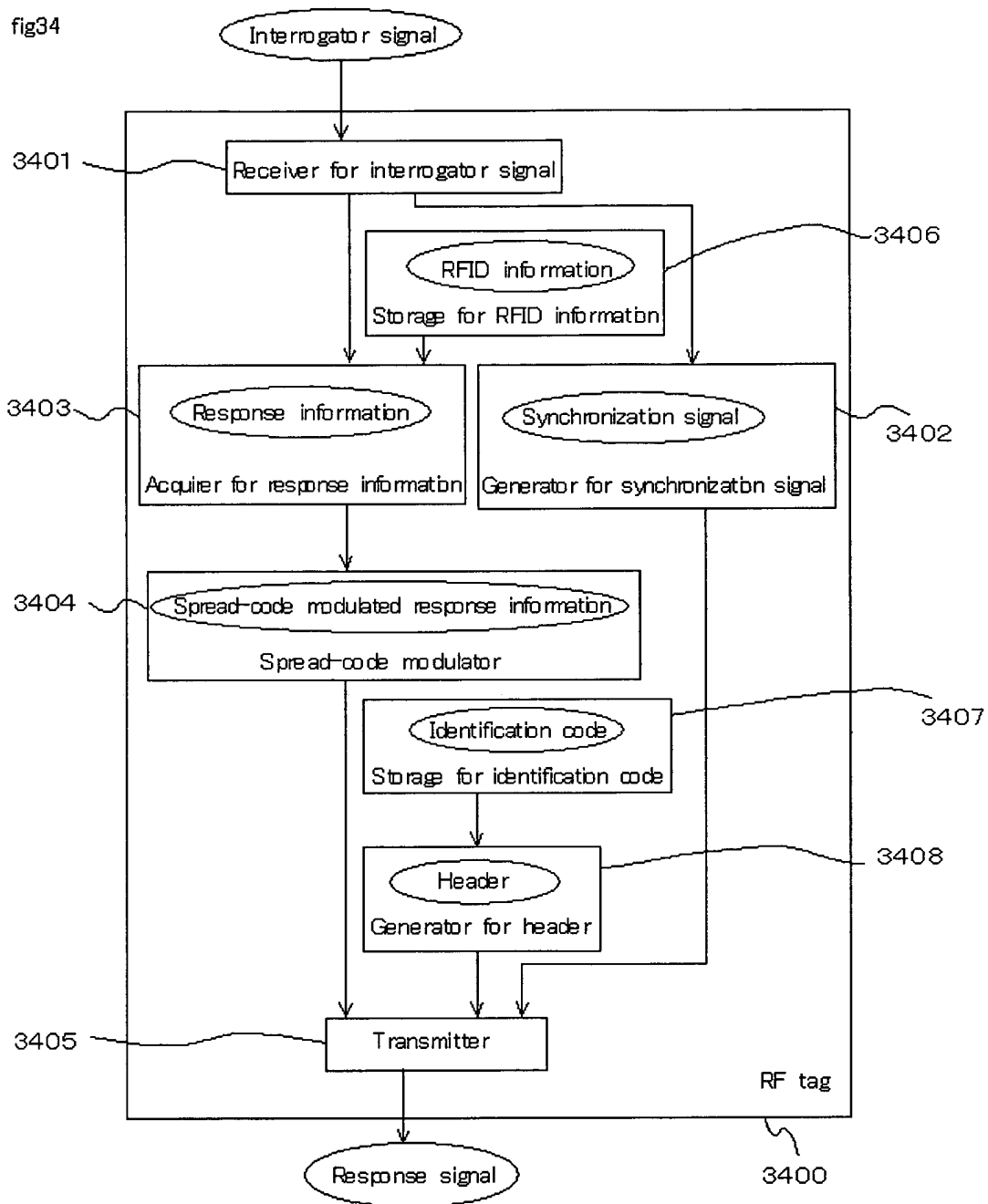


fig.35

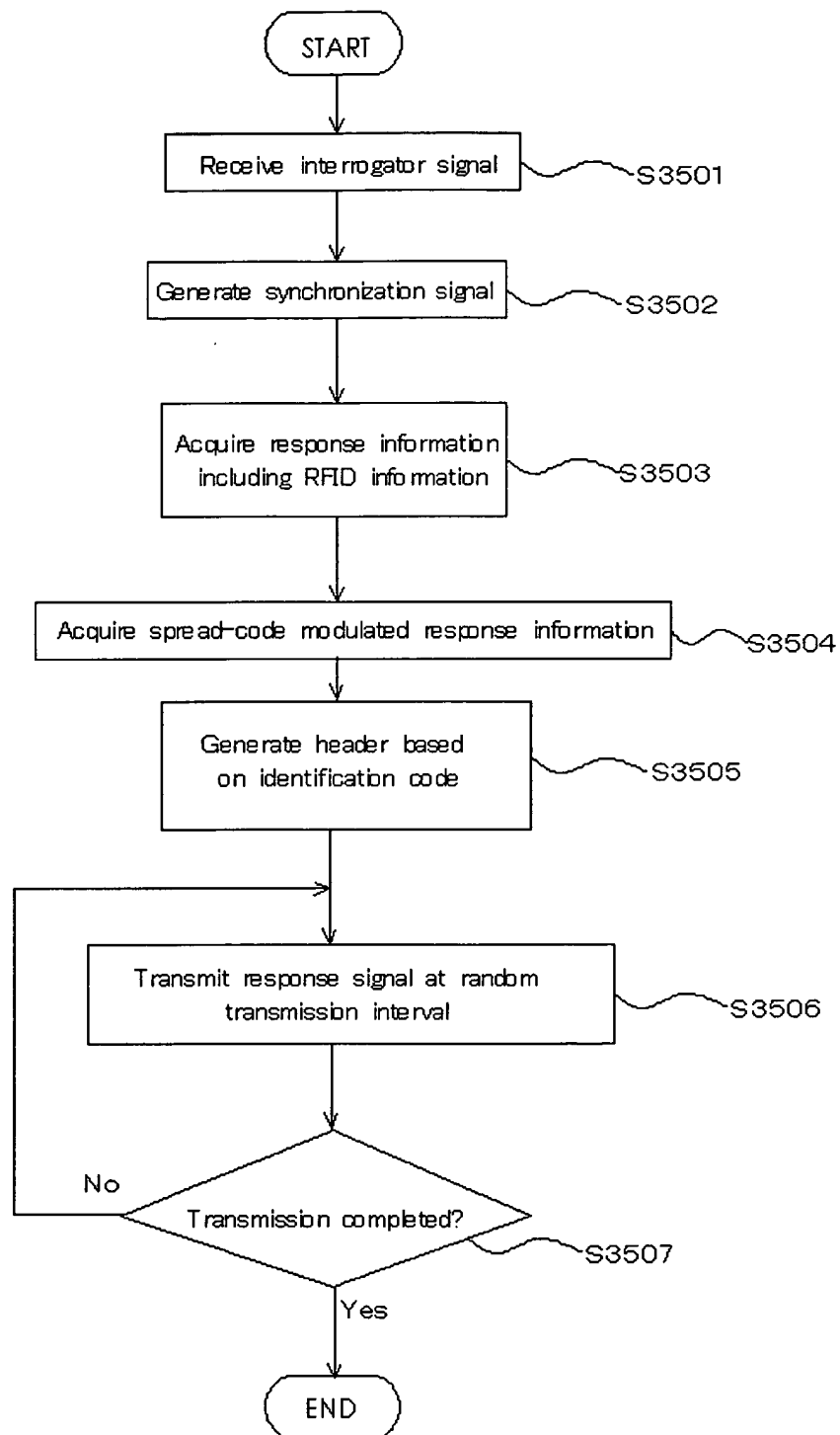


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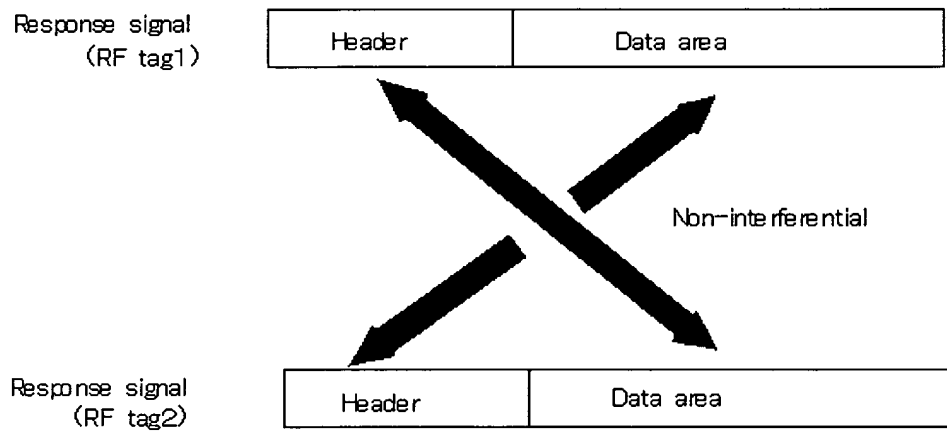


fig37

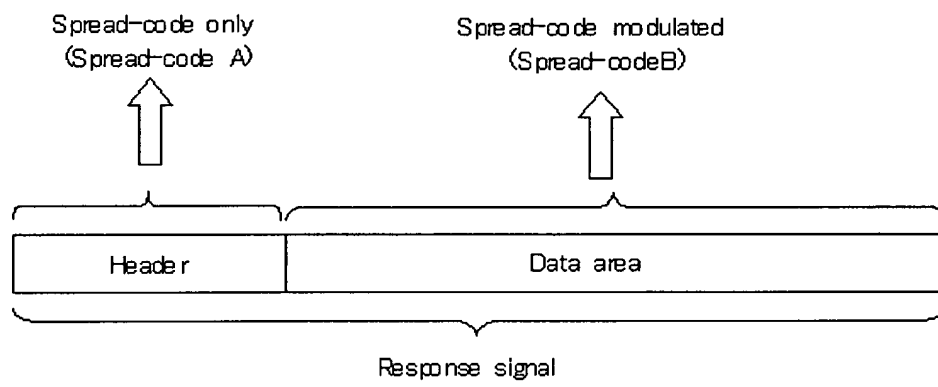


fig38

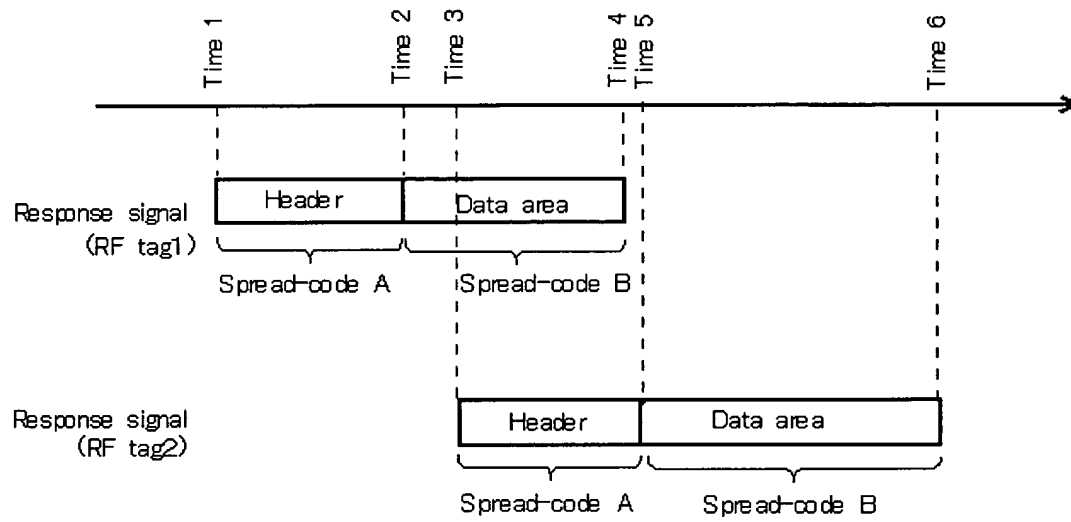


fig39

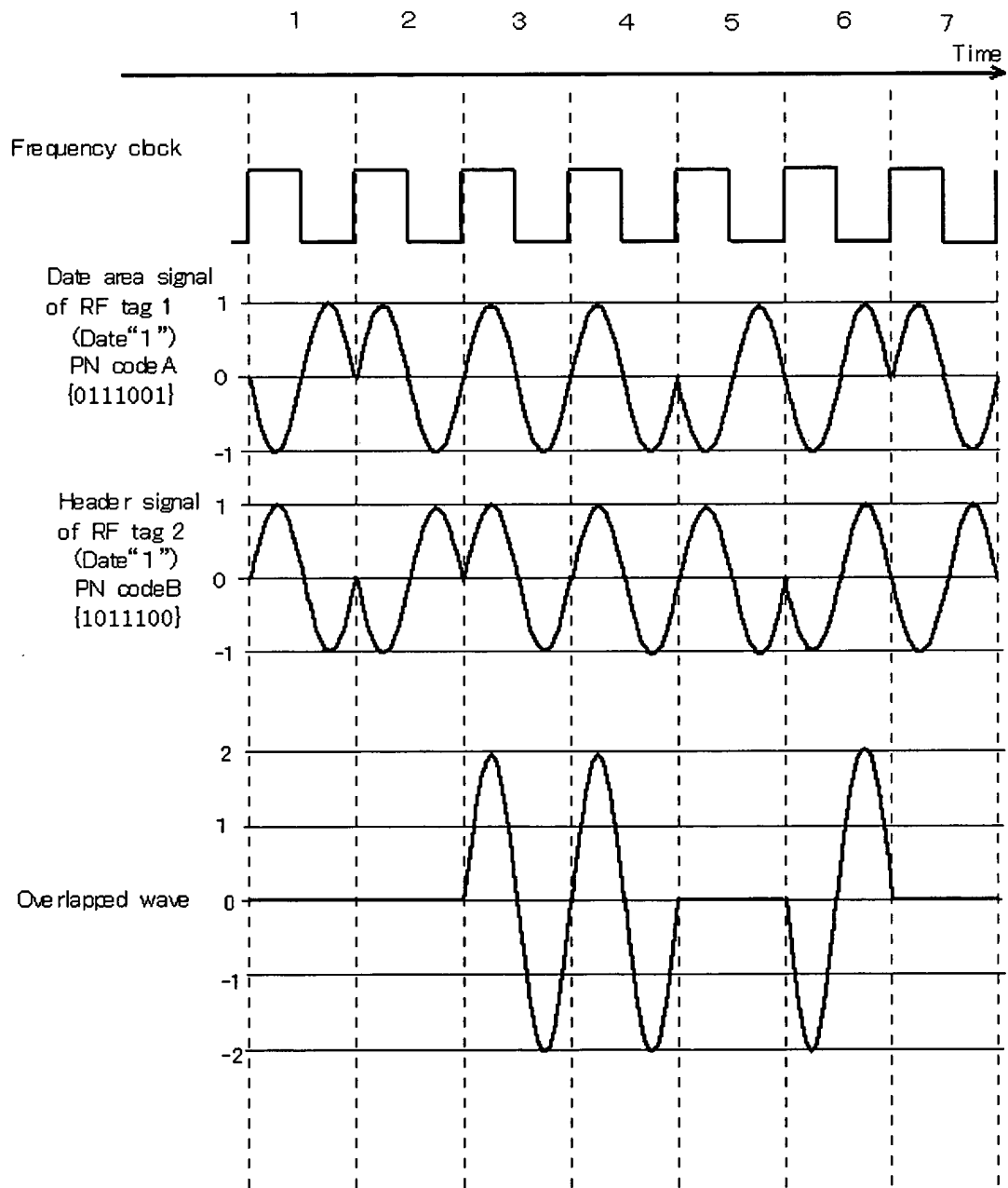


fig40

$$DL^n: \text{Code correlation} = \frac{\vec{\omega} \cdot \vec{PN}^n}{L}$$

$$\vec{\omega}: \text{Overlapped wave} = [0 \ 0 \ +2 \ +2 \ 0 \ -2 \ 0]$$

$$\vec{PN}^n: \text{Code having correlation}$$

$$\vec{PN1} = [-1 \ +1 \ +1 \ +1 \ -1 \ -1 \ +1]$$

$$\vec{PN2} = [+1 \ -1 \ +1 \ +1 \ +1 \ -1 \ -1]$$

$$L: \text{Code length} = 7$$

$$DL1 = \frac{+6}{7} \rightarrow "1"$$

$$DL2 = \frac{+6}{7} \rightarrow "1"$$



fig41

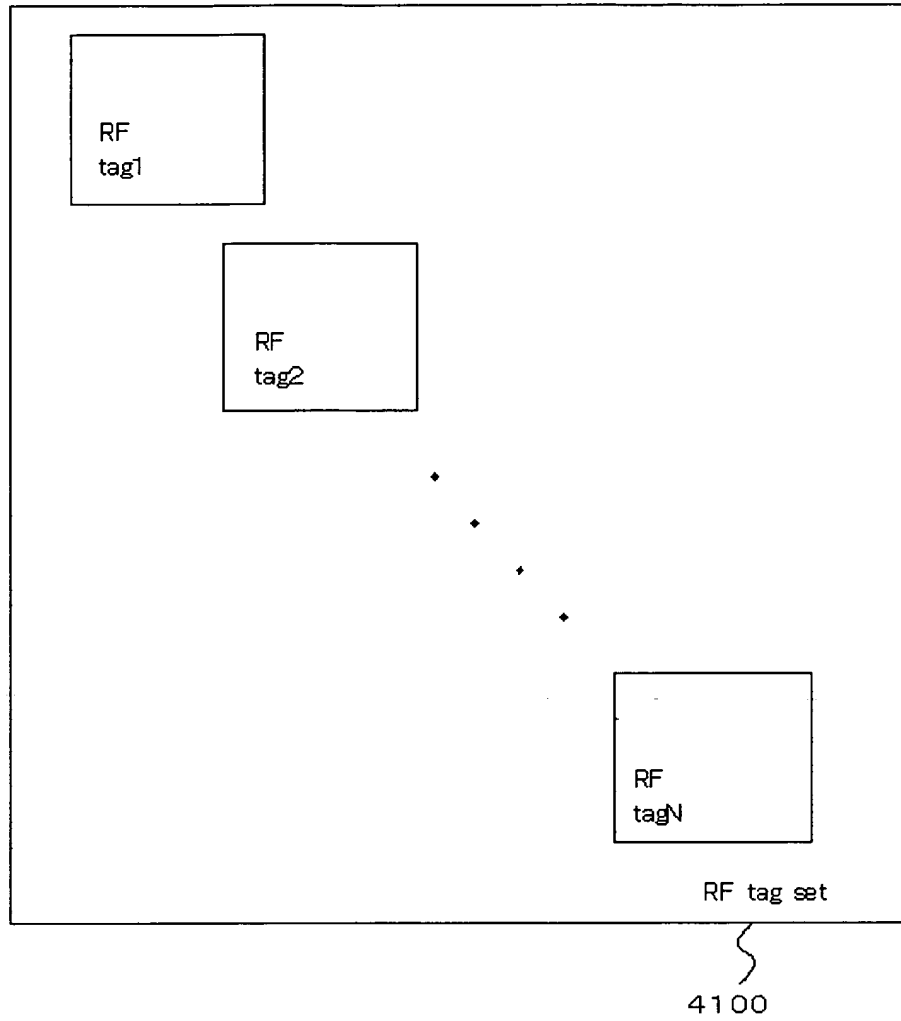
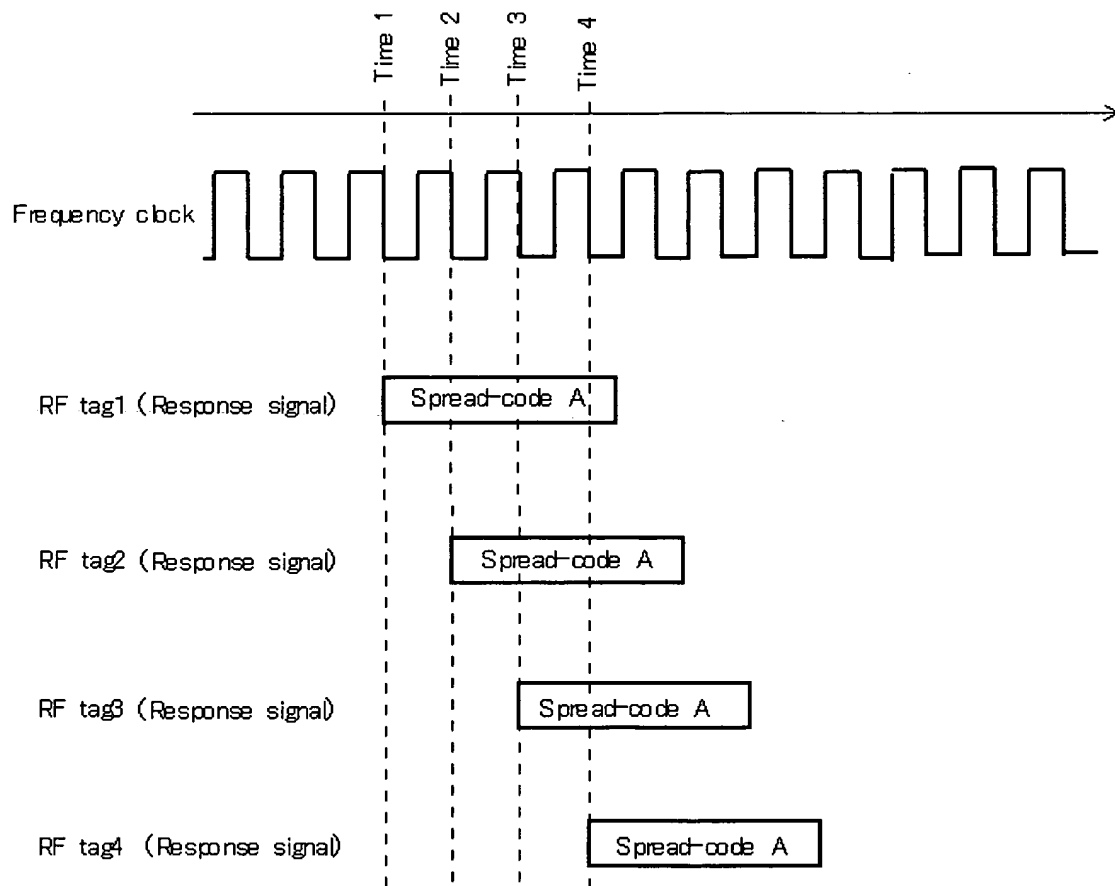


fig42



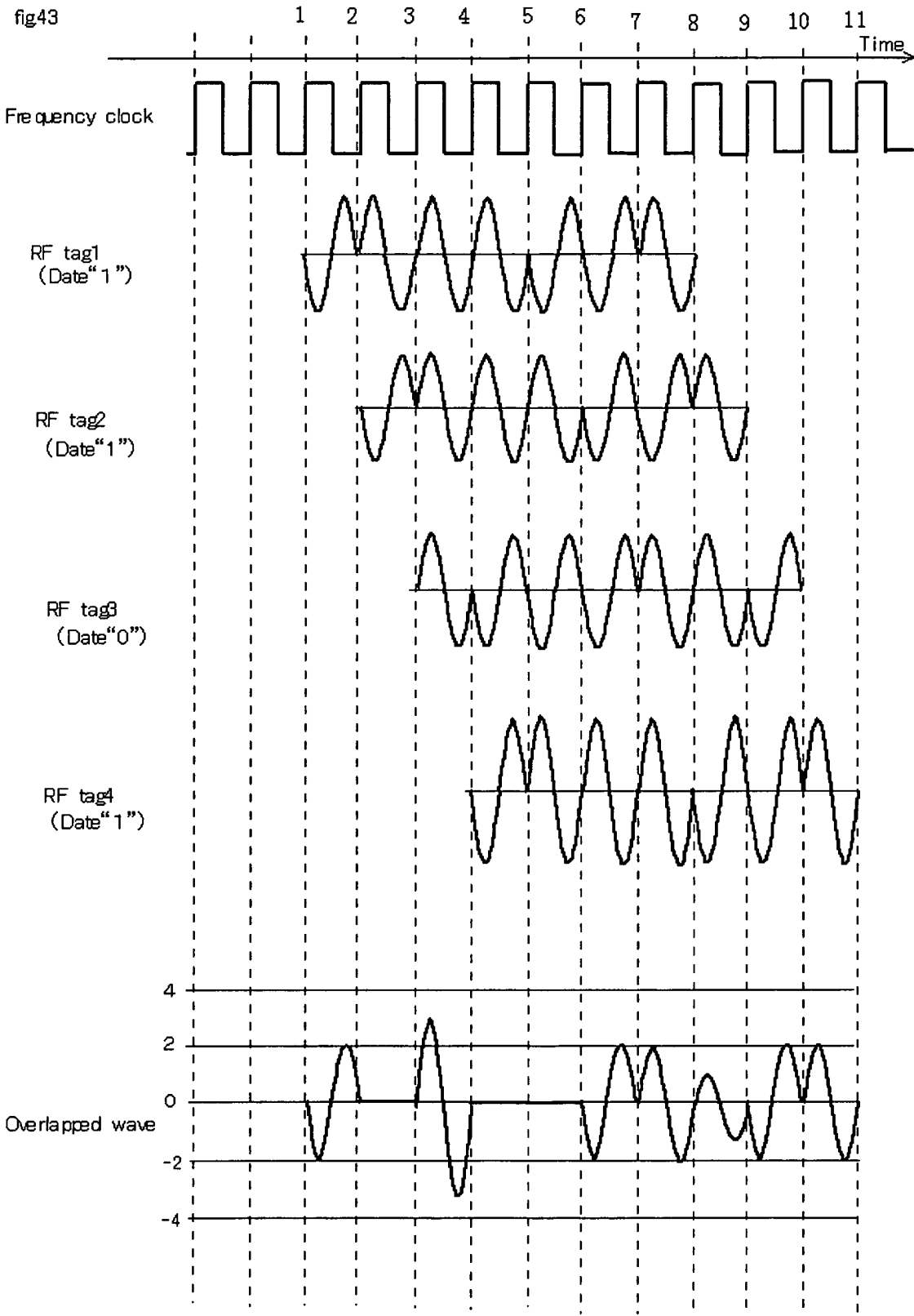


fig44

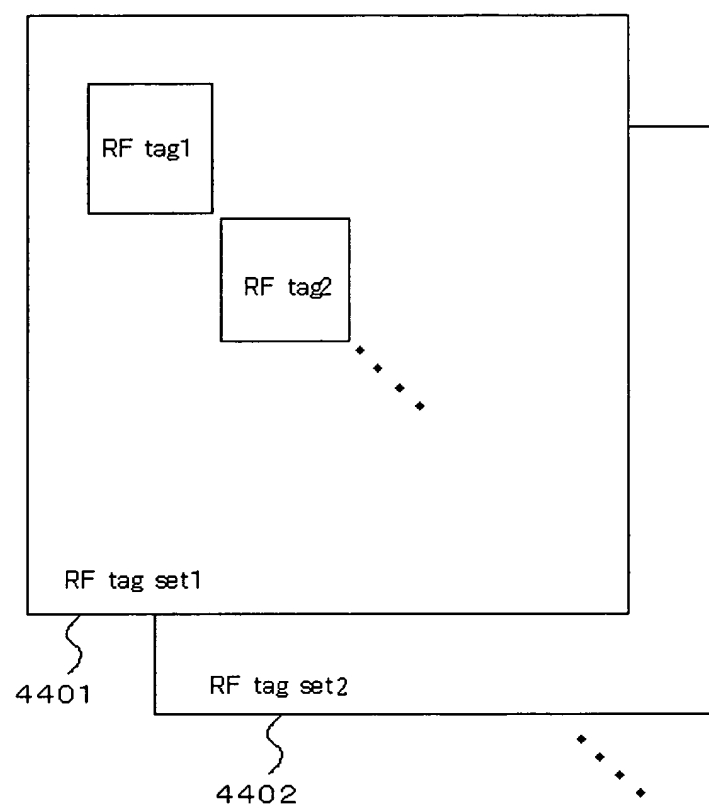


fig45

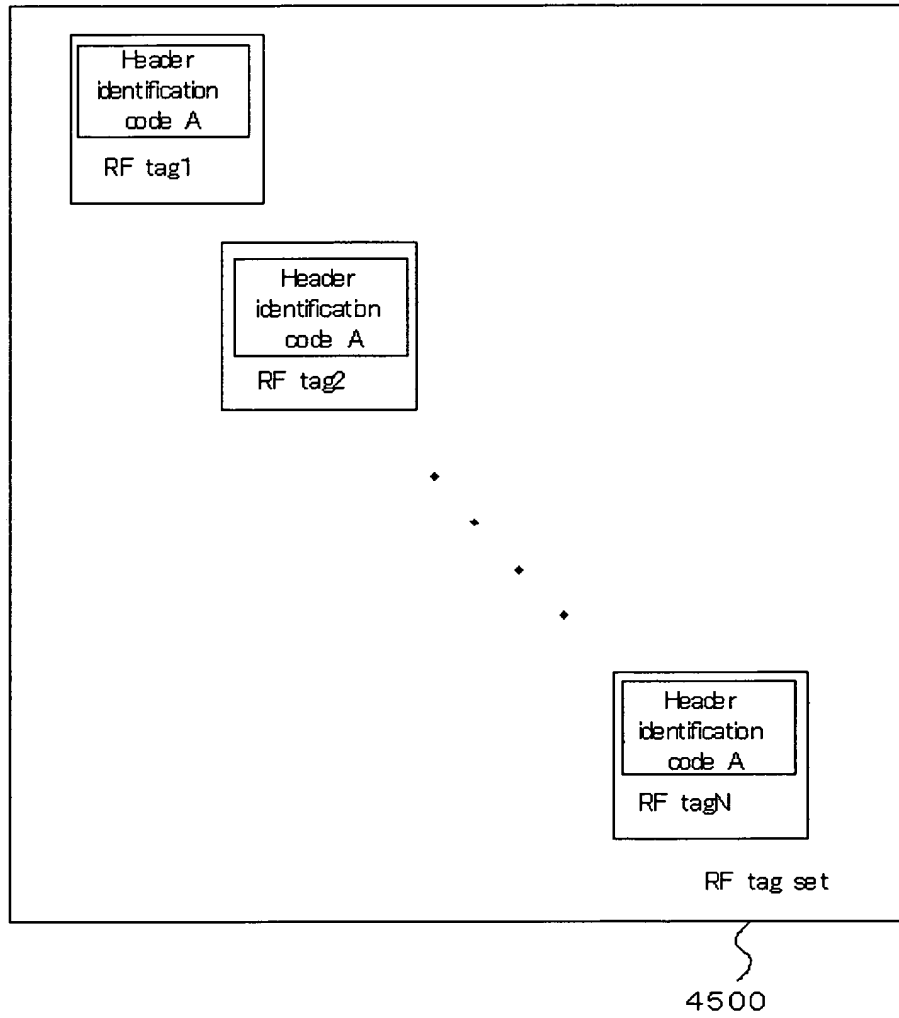


fig46

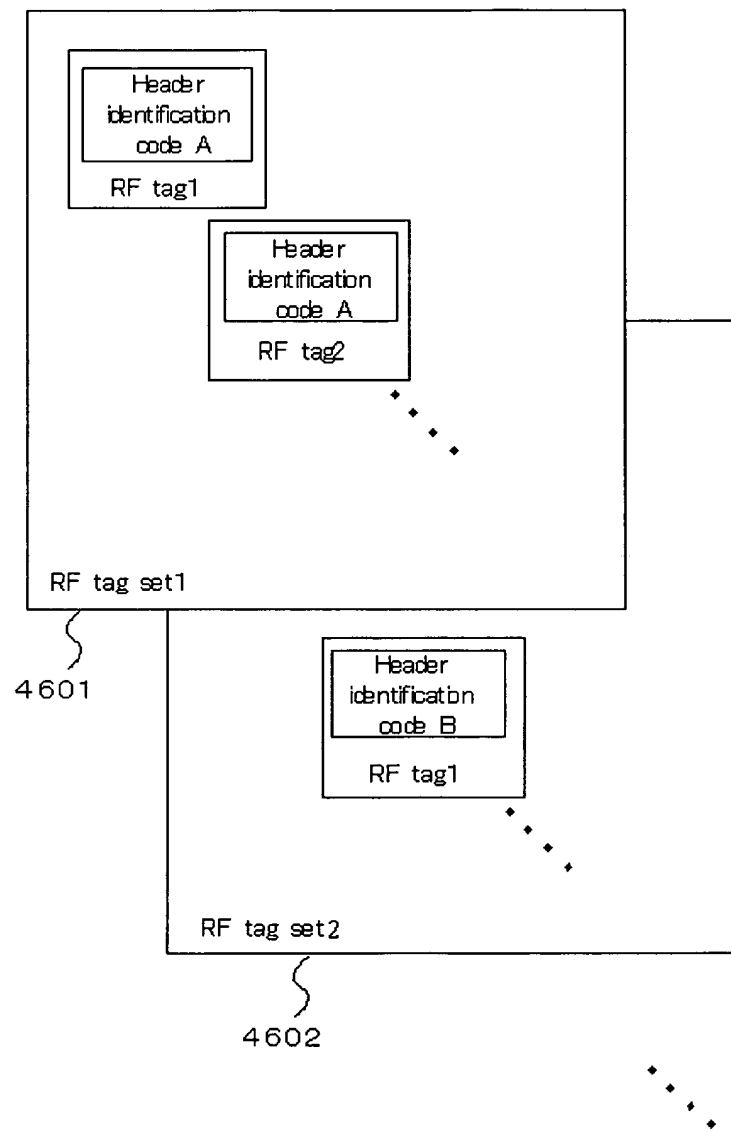


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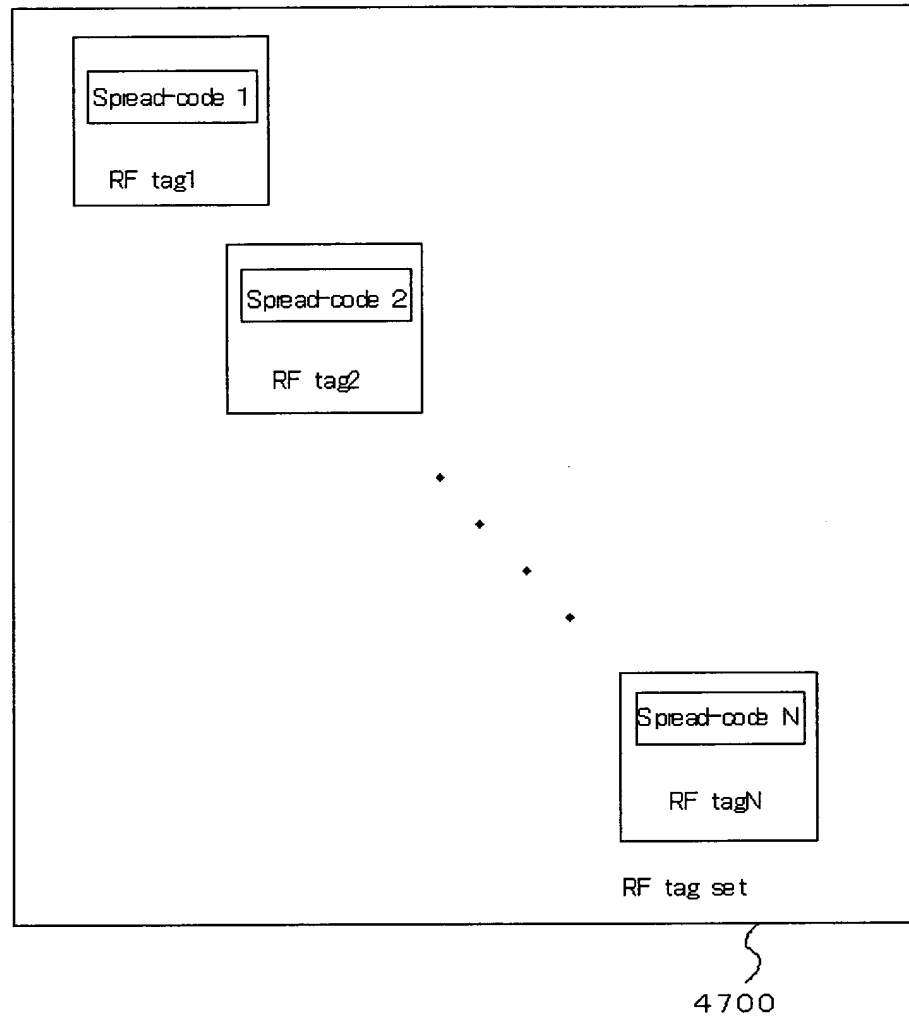
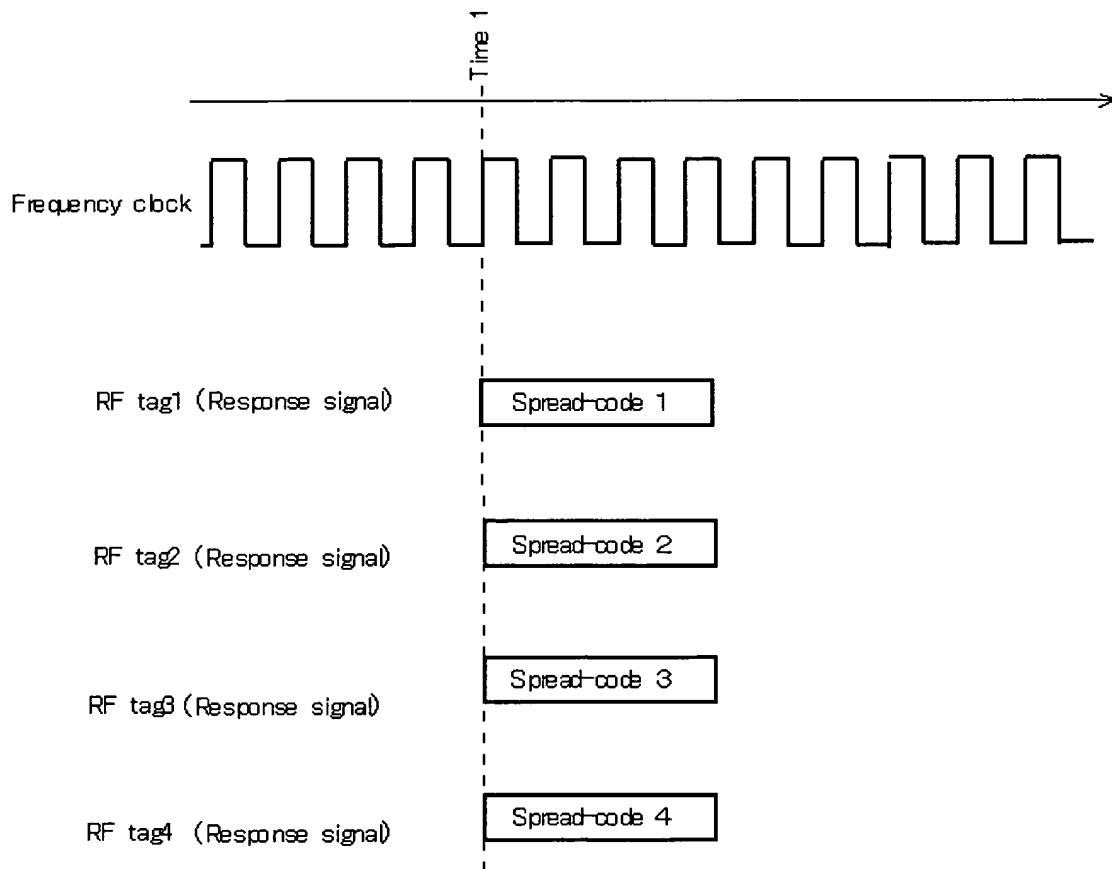


fig48





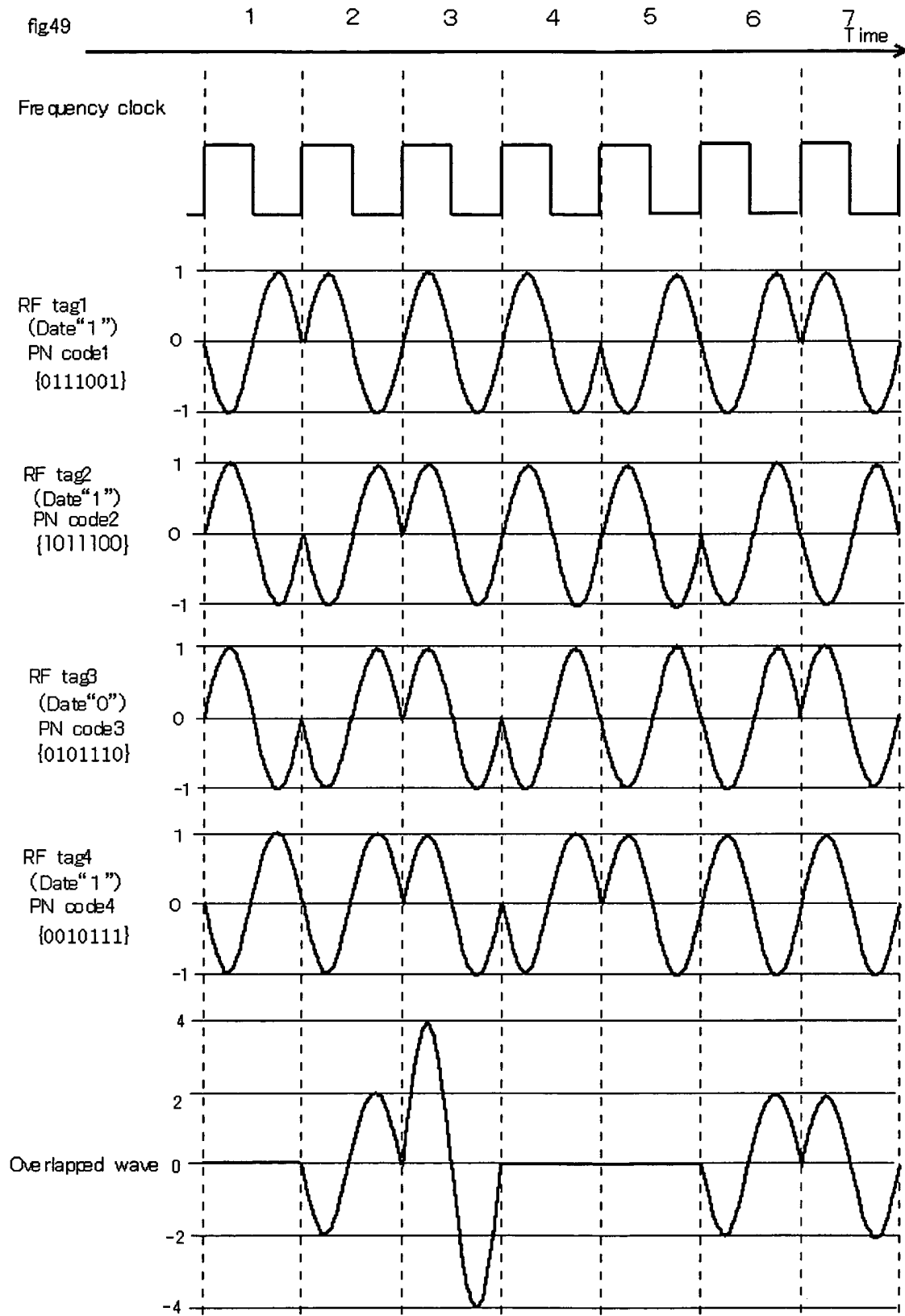


fig50

$$\text{DLn:Code correlation} = \frac{\vec{\omega} \cdot \vec{\text{PN}}_n}{L}$$

$$\vec{\omega} := \text{Transmitted wave} [0 \ -2 \ +4 \ 0 \ 0 \ -2 \ +2]$$

$\vec{\text{PN}}_n$ : Code having correlation

$$\vec{\text{PN}}_1 = [-1 \ +1 \ +1 \ +1 \ -1 \ -1 \ +1]$$

$$\vec{\text{PN}}_2 = [+1 \ -1 \ +1 \ +1 \ +1 \ -1 \ -1]$$

$$\vec{\text{PN}}_3 = [+1 \ -1 \ +1 \ -1 \ -1 \ -1 \ +1]$$

$$\vec{\text{PN}}_4 = [-1 \ -1 \ +1 \ -1 \ +1 \ +1 \ +1]$$

L: Code length = 7

$$\text{DL1} = \frac{+6}{7} \rightarrow "1"$$

$$\text{DL2} = \frac{+6}{7} \rightarrow "1"$$

$$\text{DL3} = \frac{-10}{7} \rightarrow "0"$$

$$\text{DL4} = \frac{+6}{7} \rightarrow "1"$$

fig51

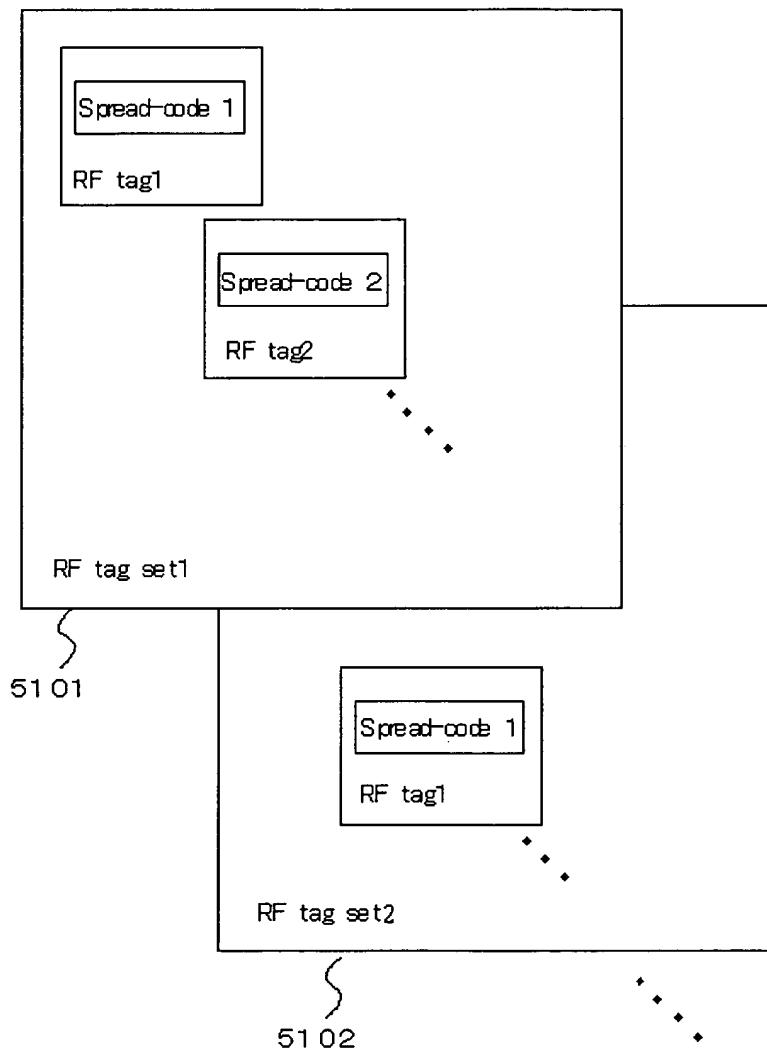


fig52

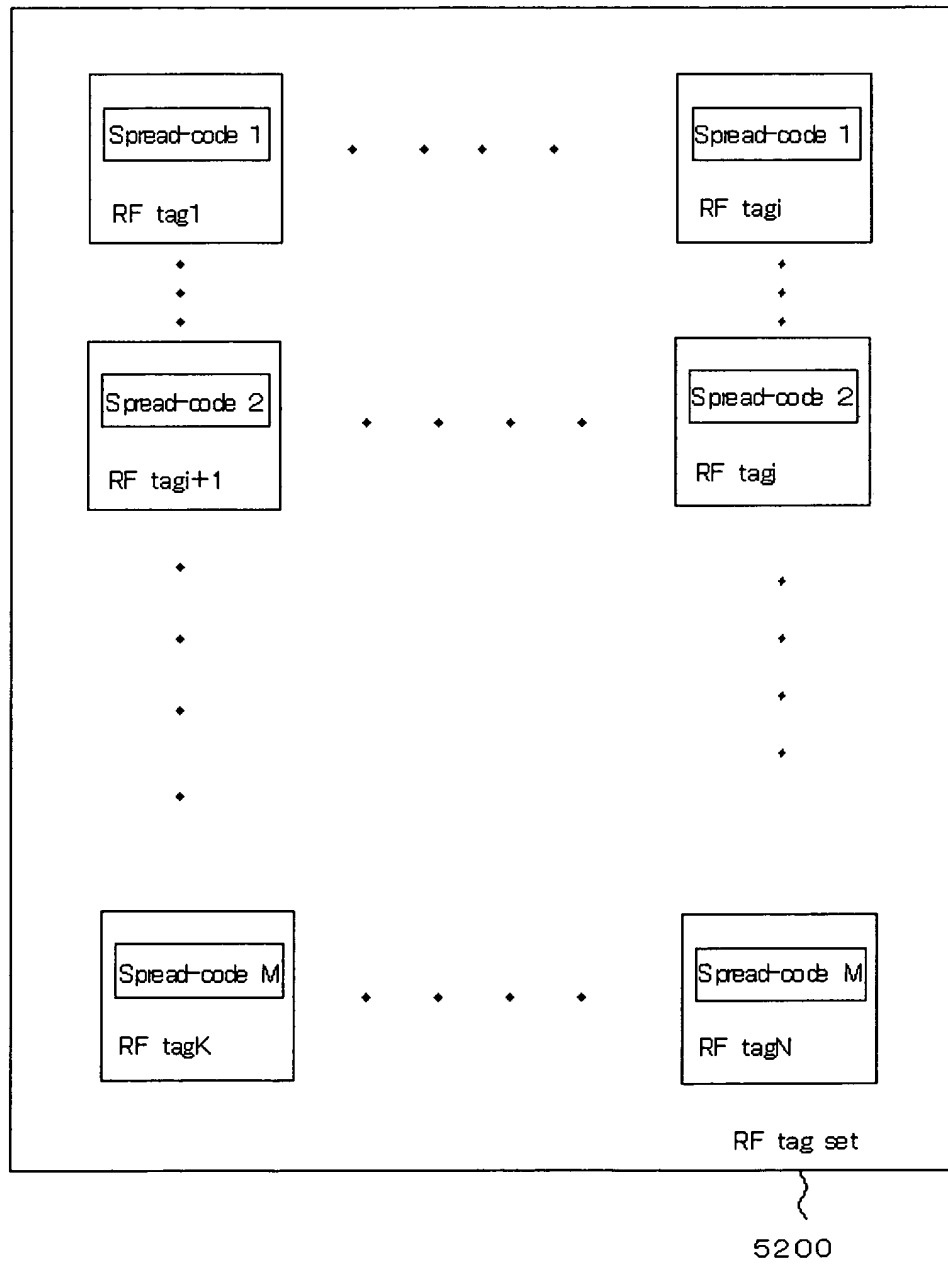


fig53

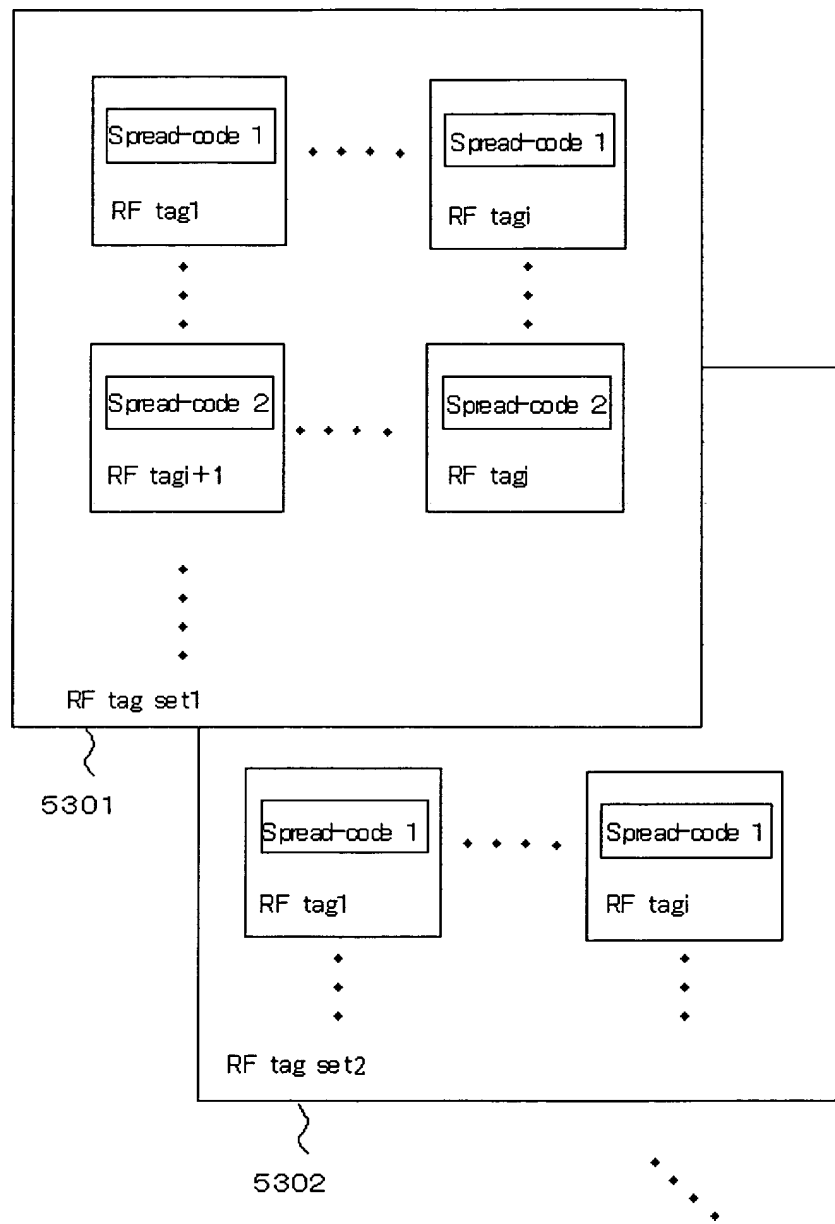


fig54

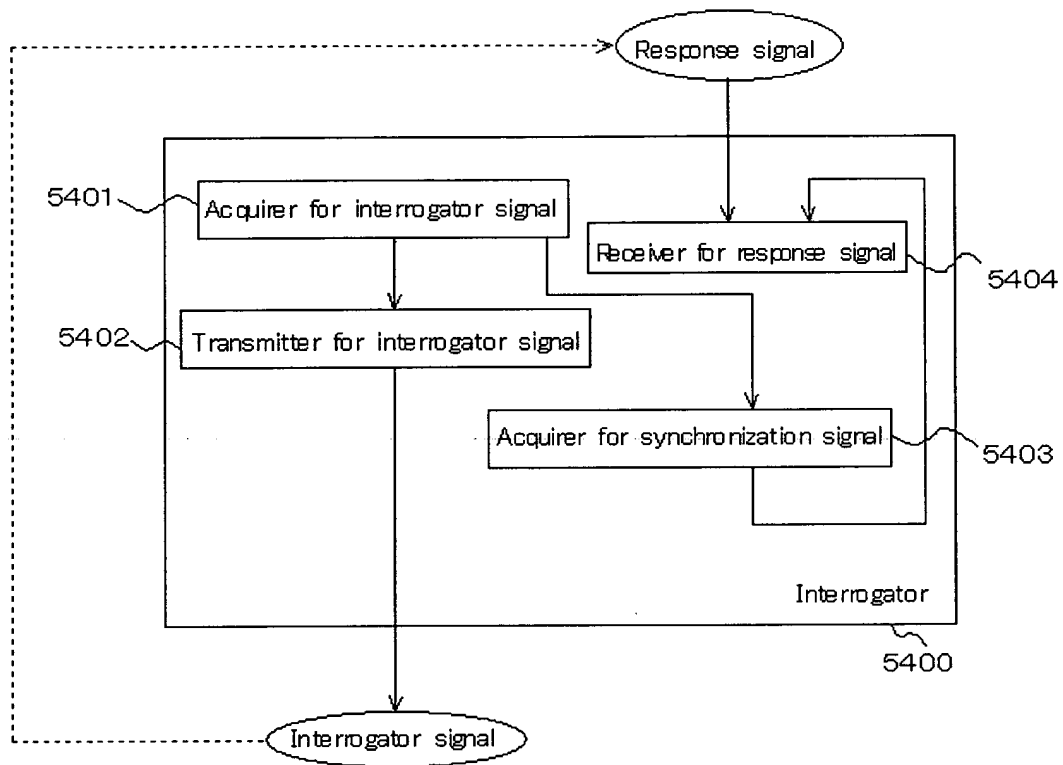


fig55

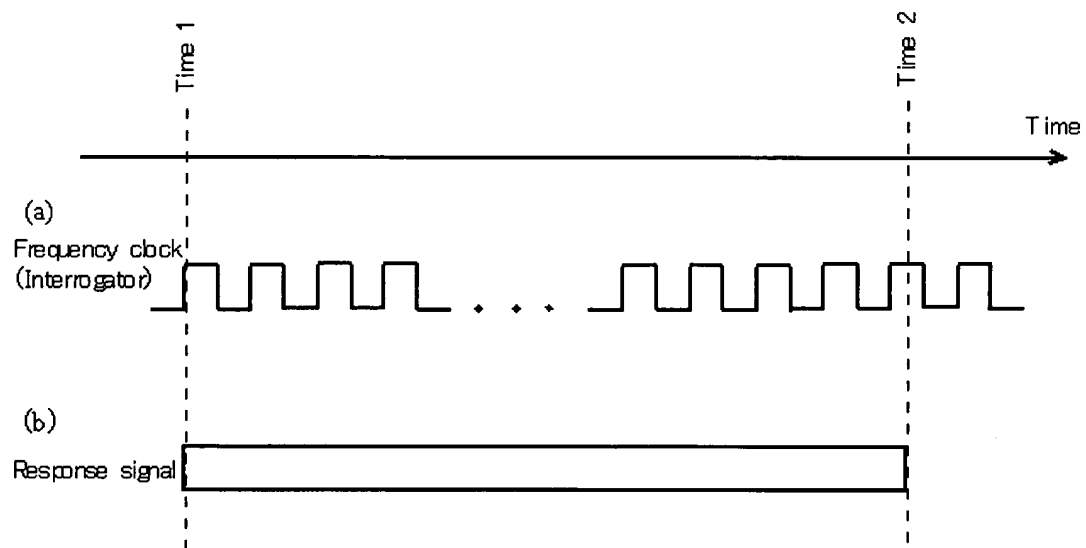


fig56

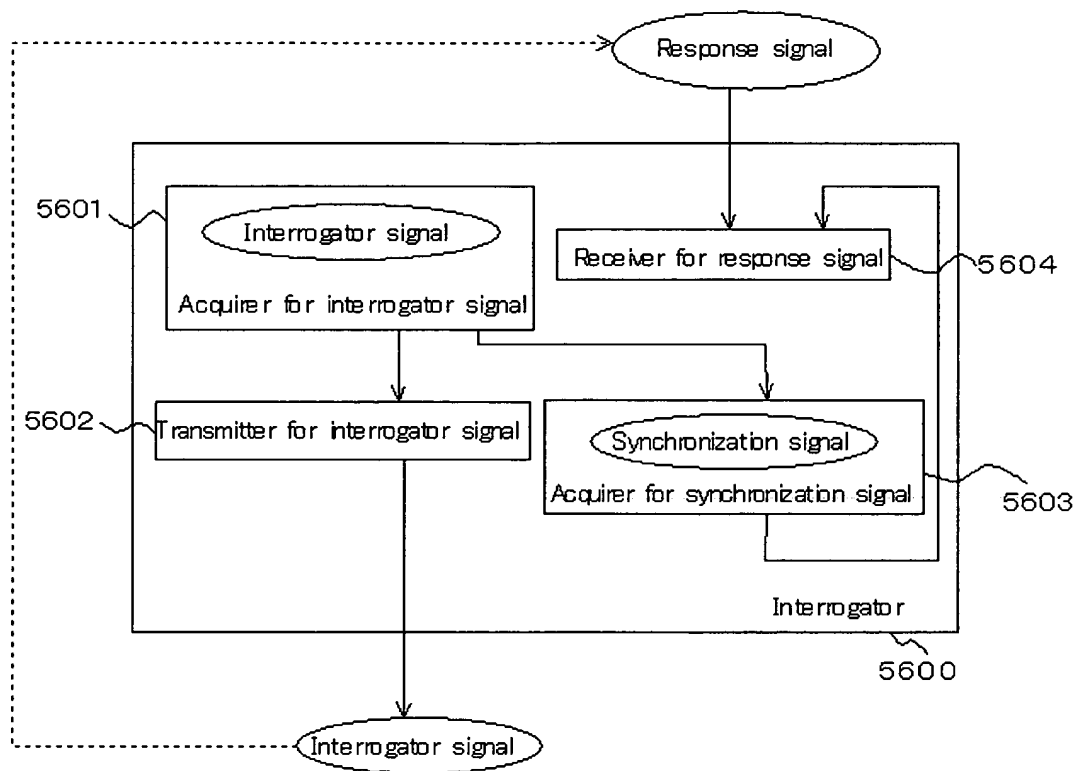




fig57

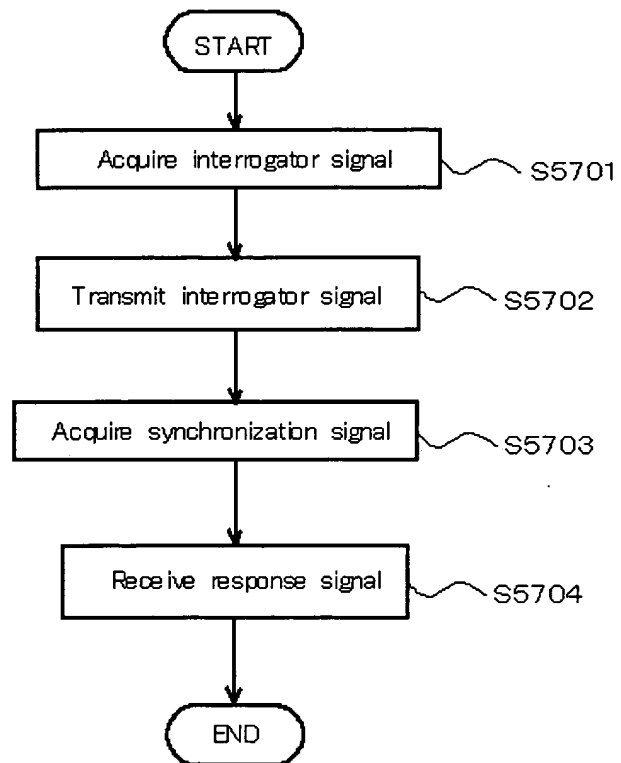


fig58

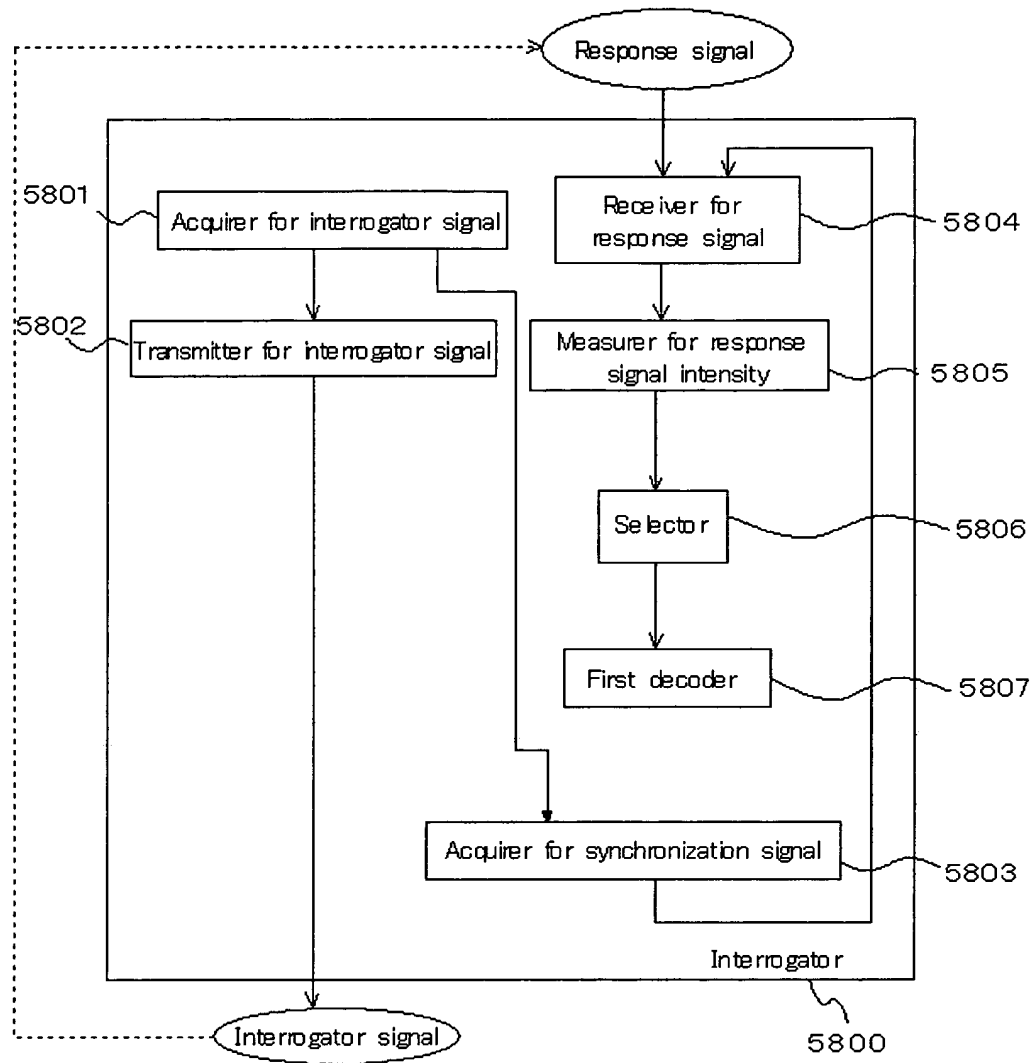


fig59

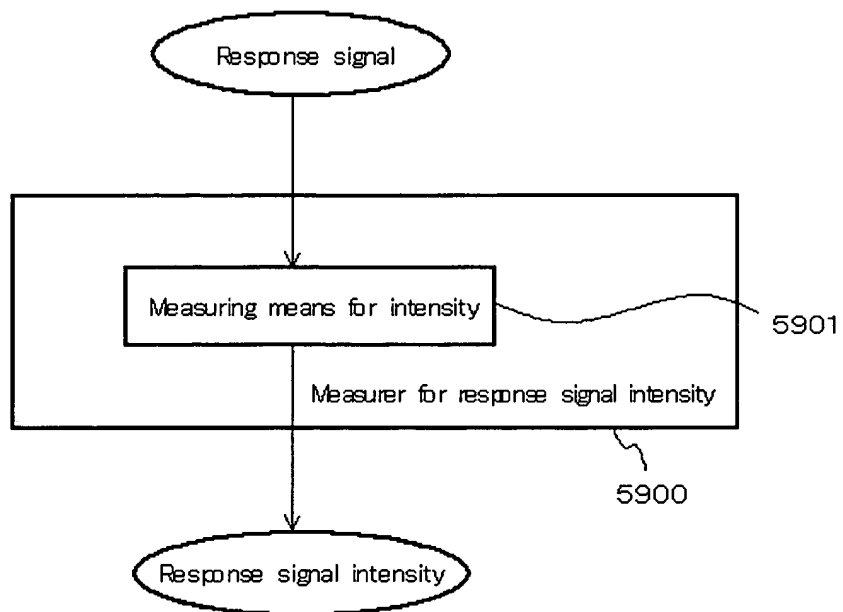


fig60

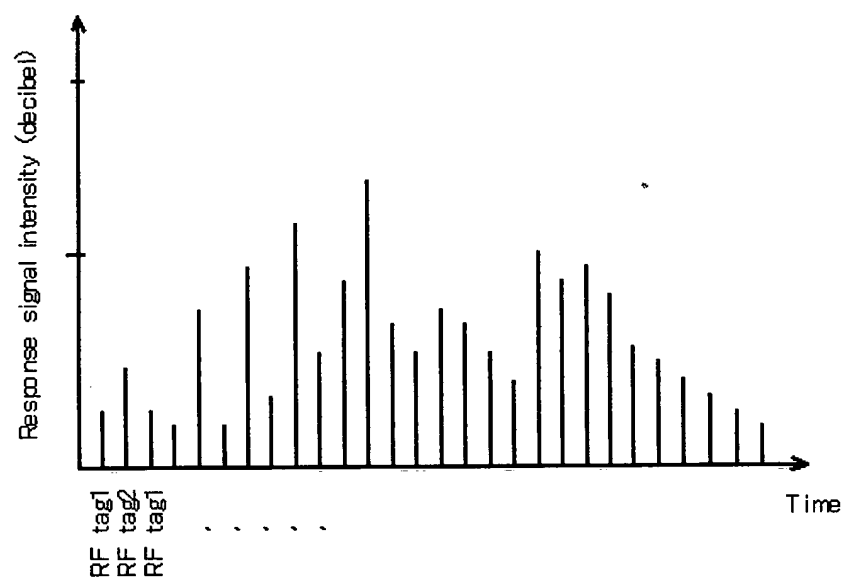


fig61

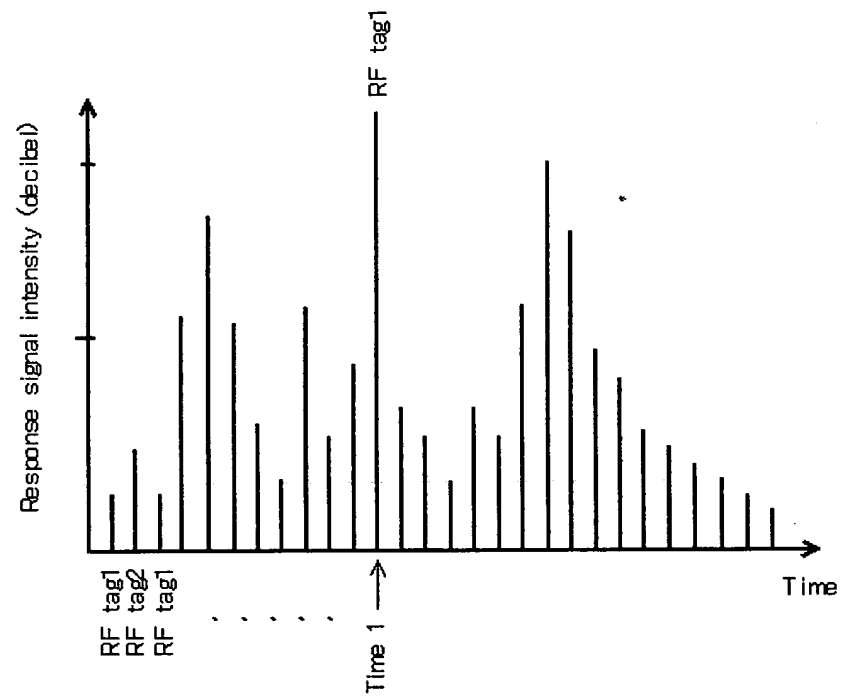


fig62

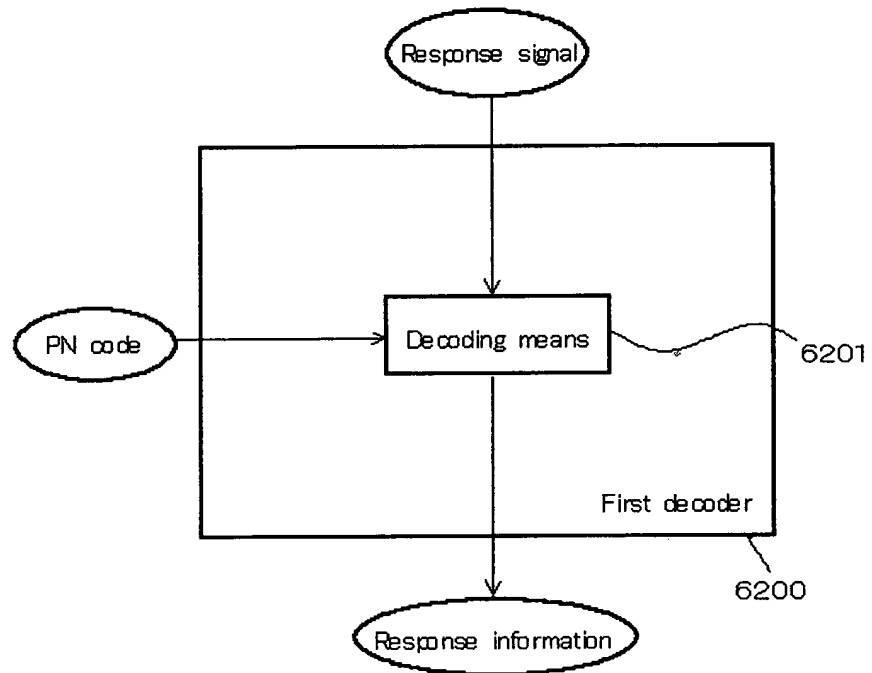


fig63

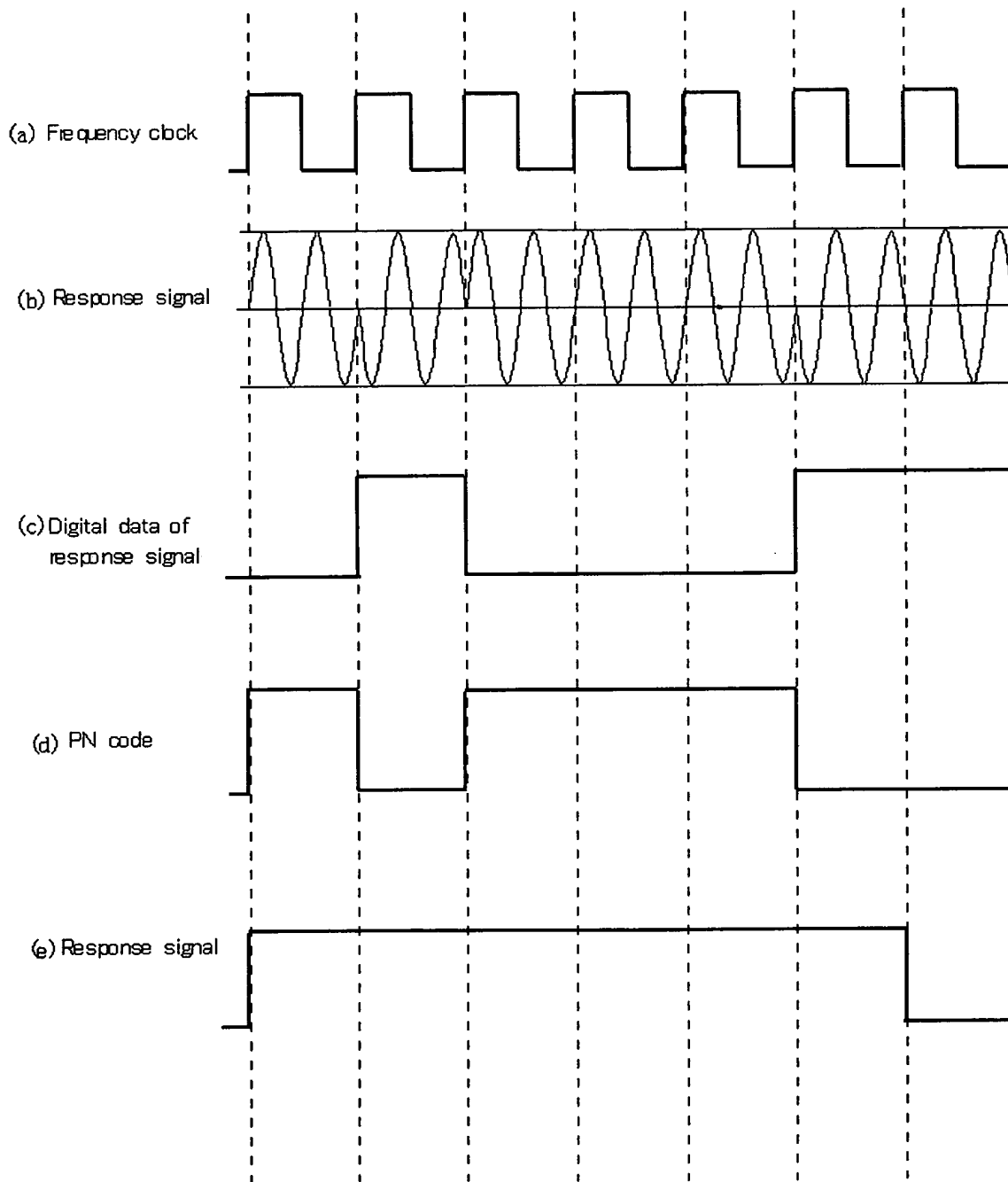


fig64

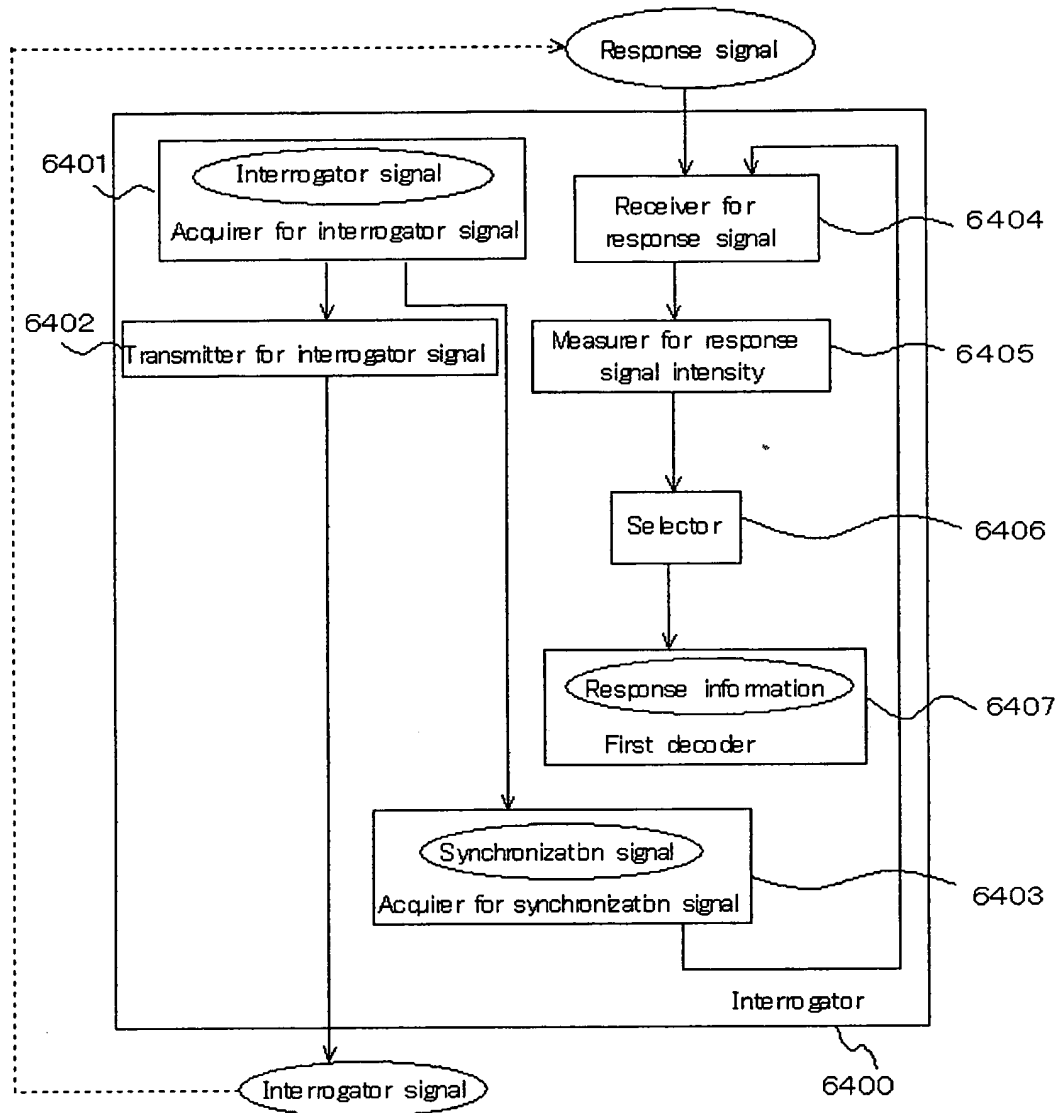




fig65

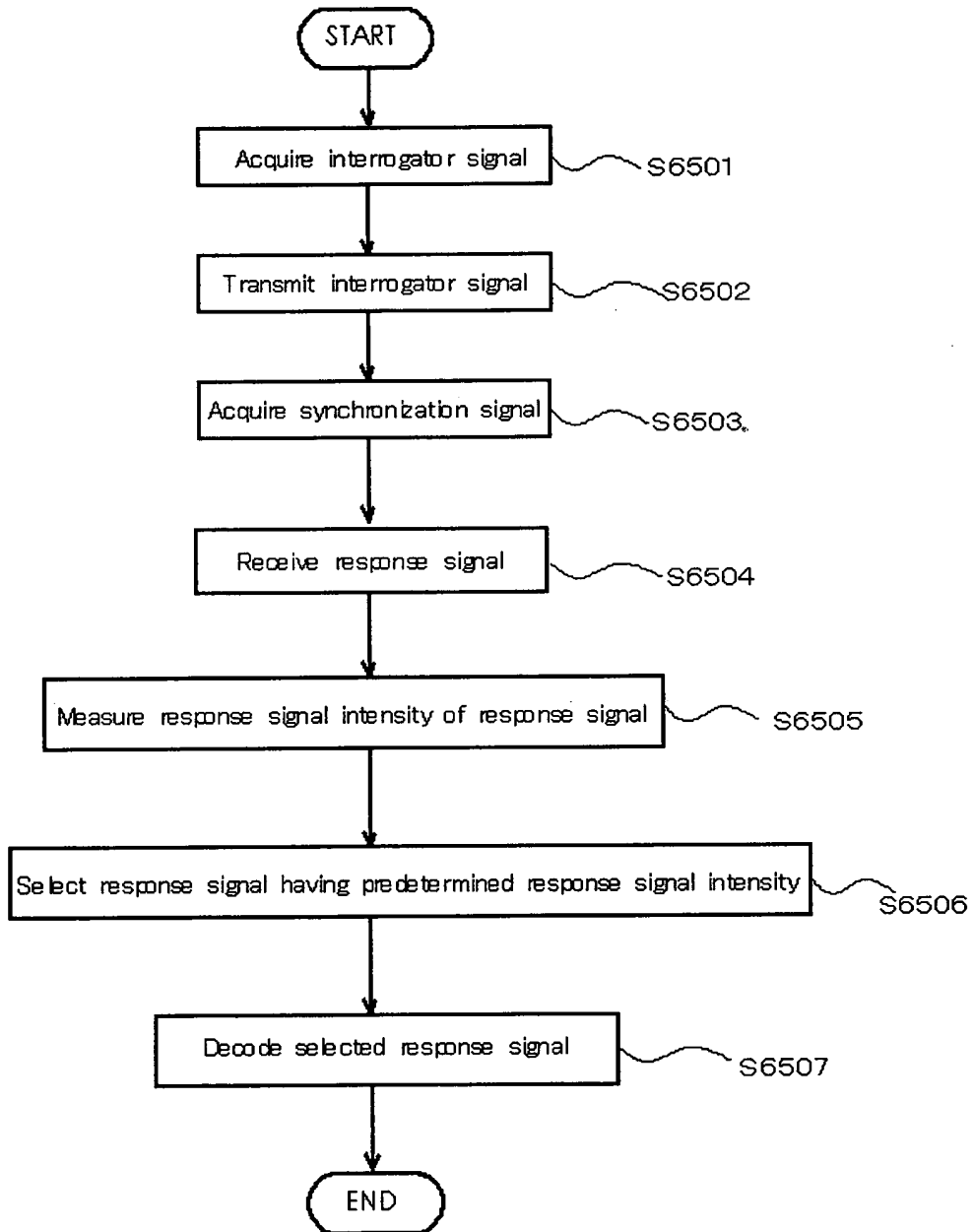


fig66

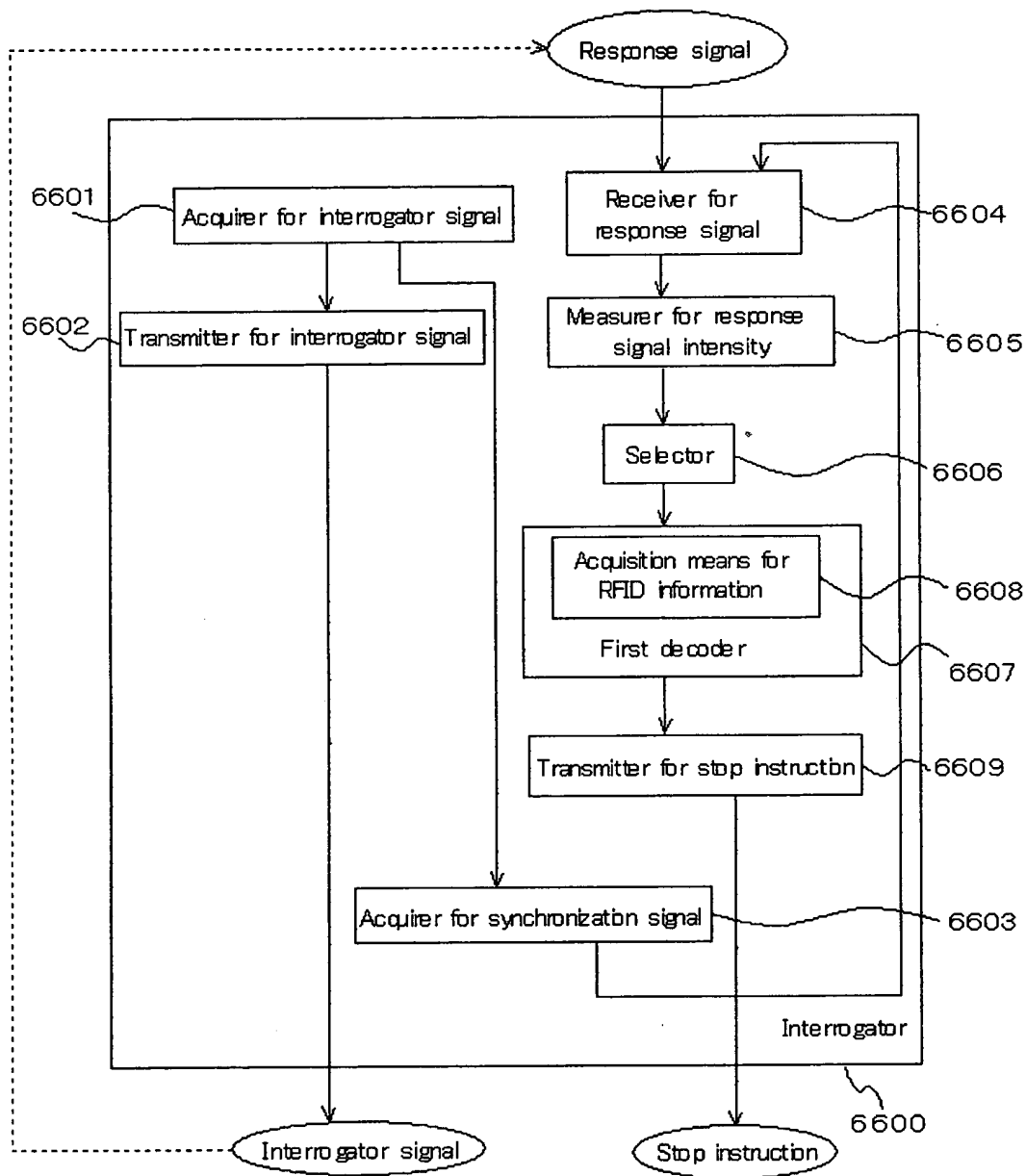


fig67

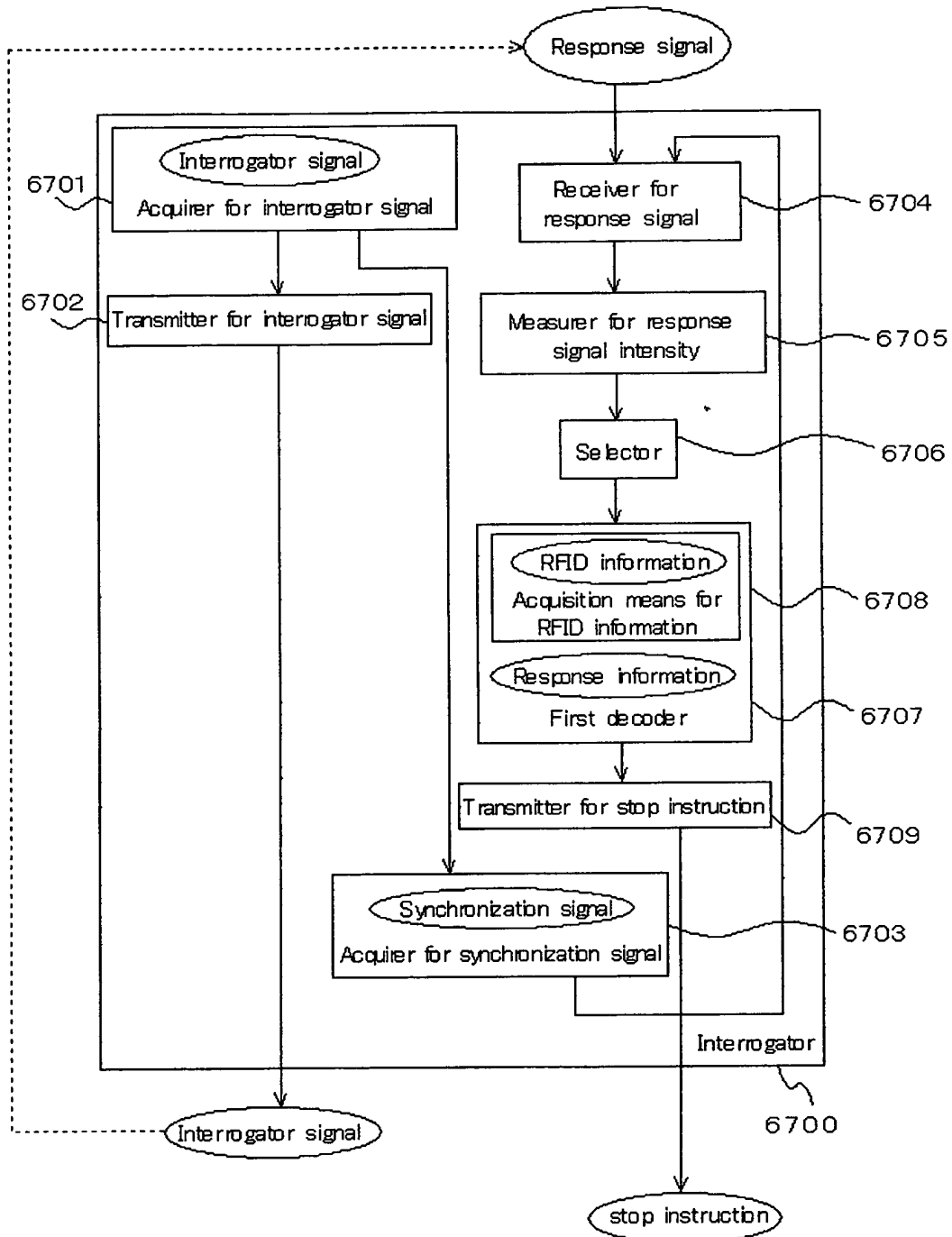


fig68

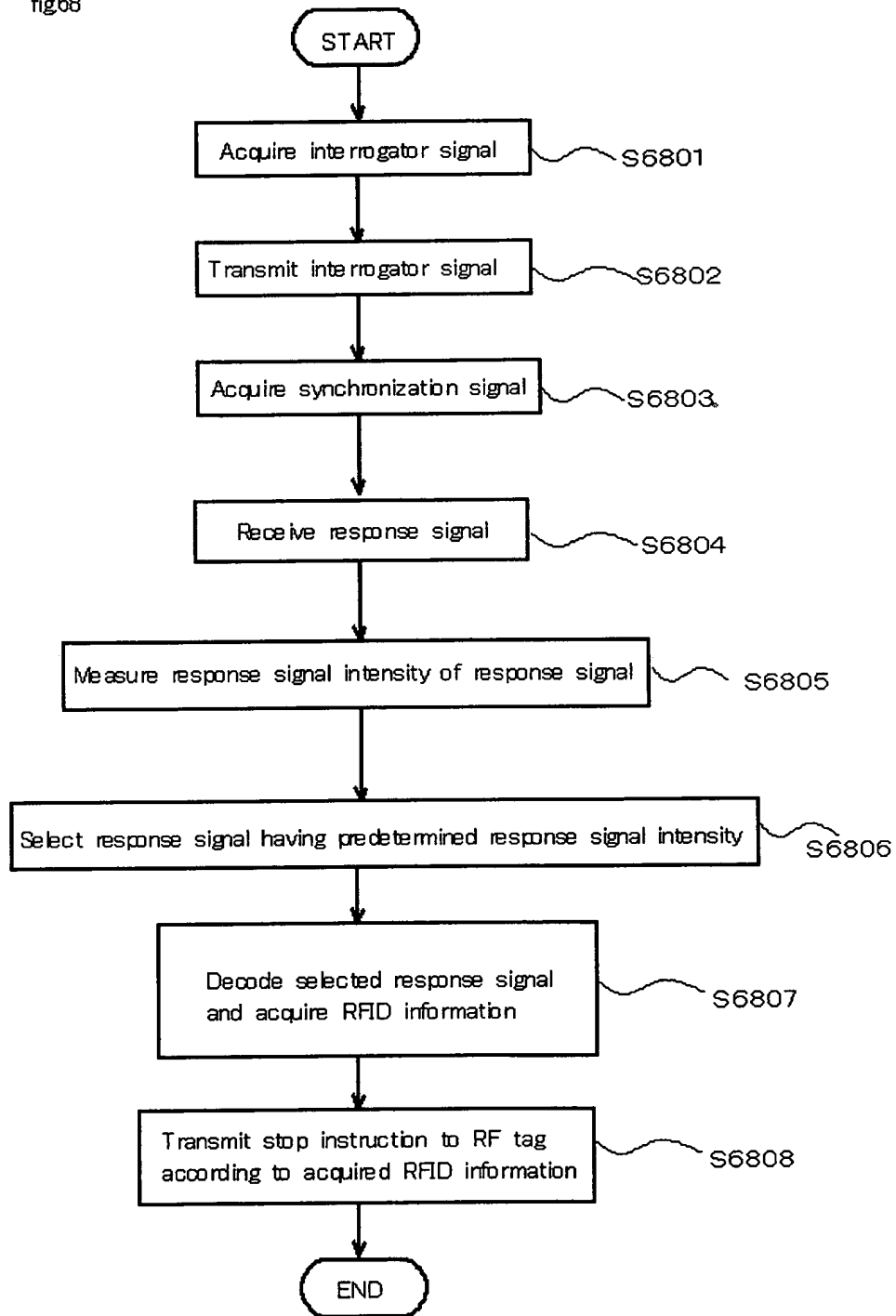


fig69

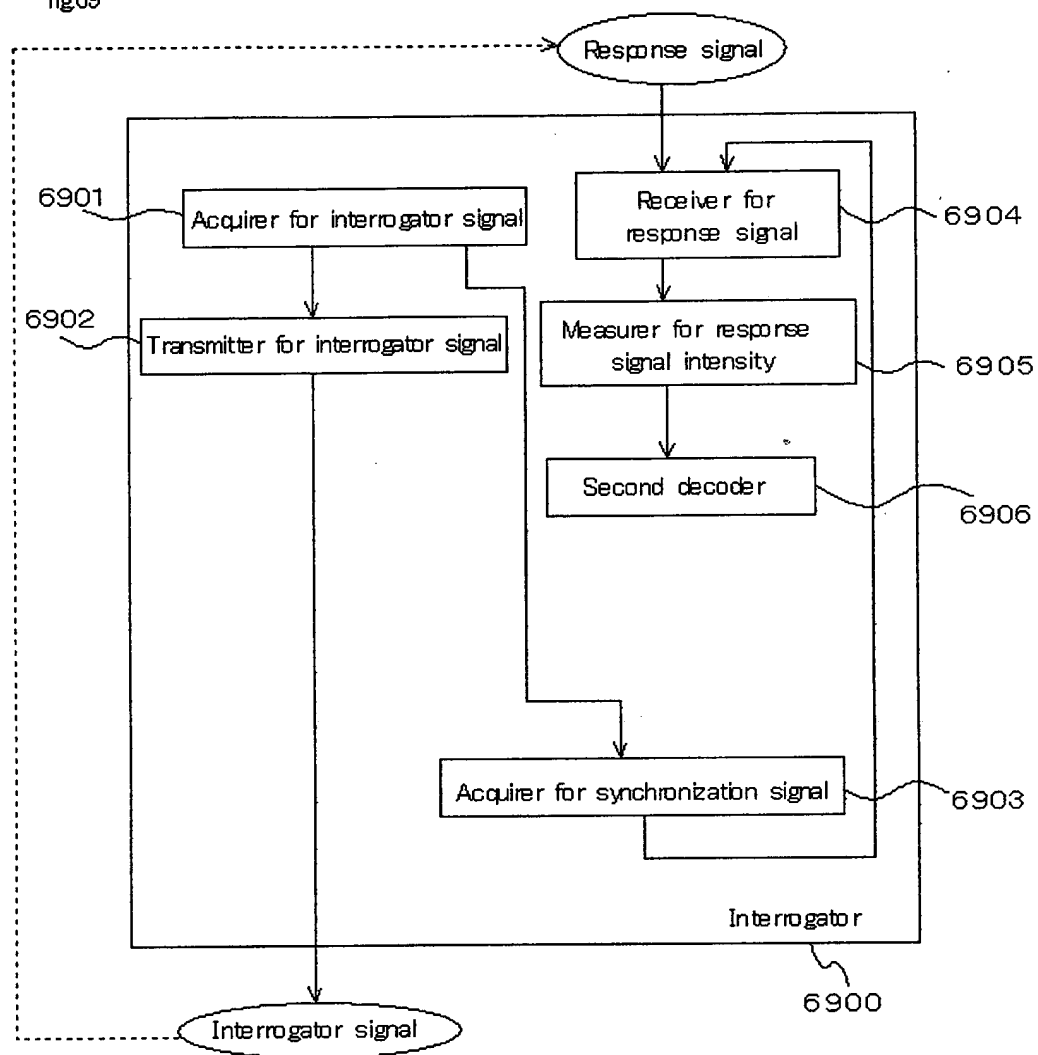


fig70

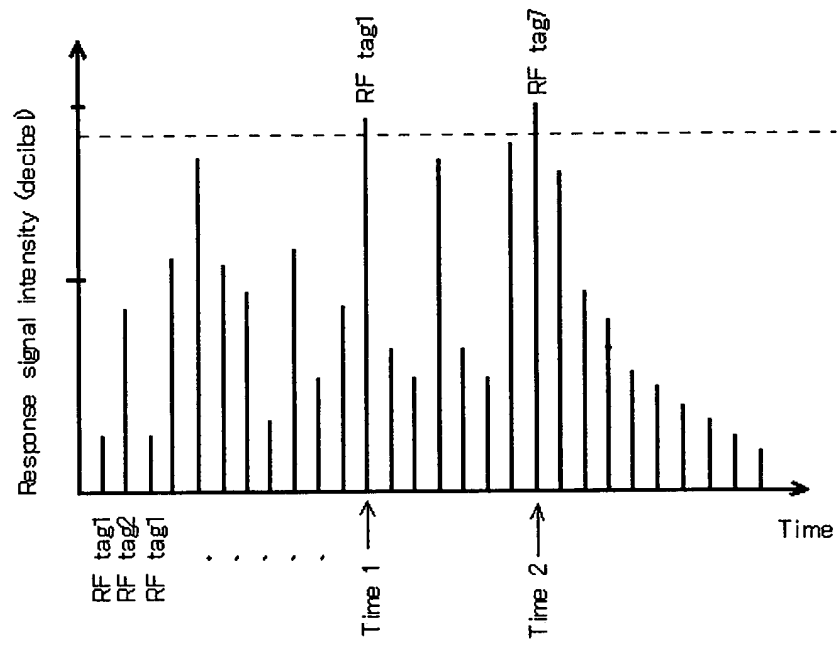


fig71

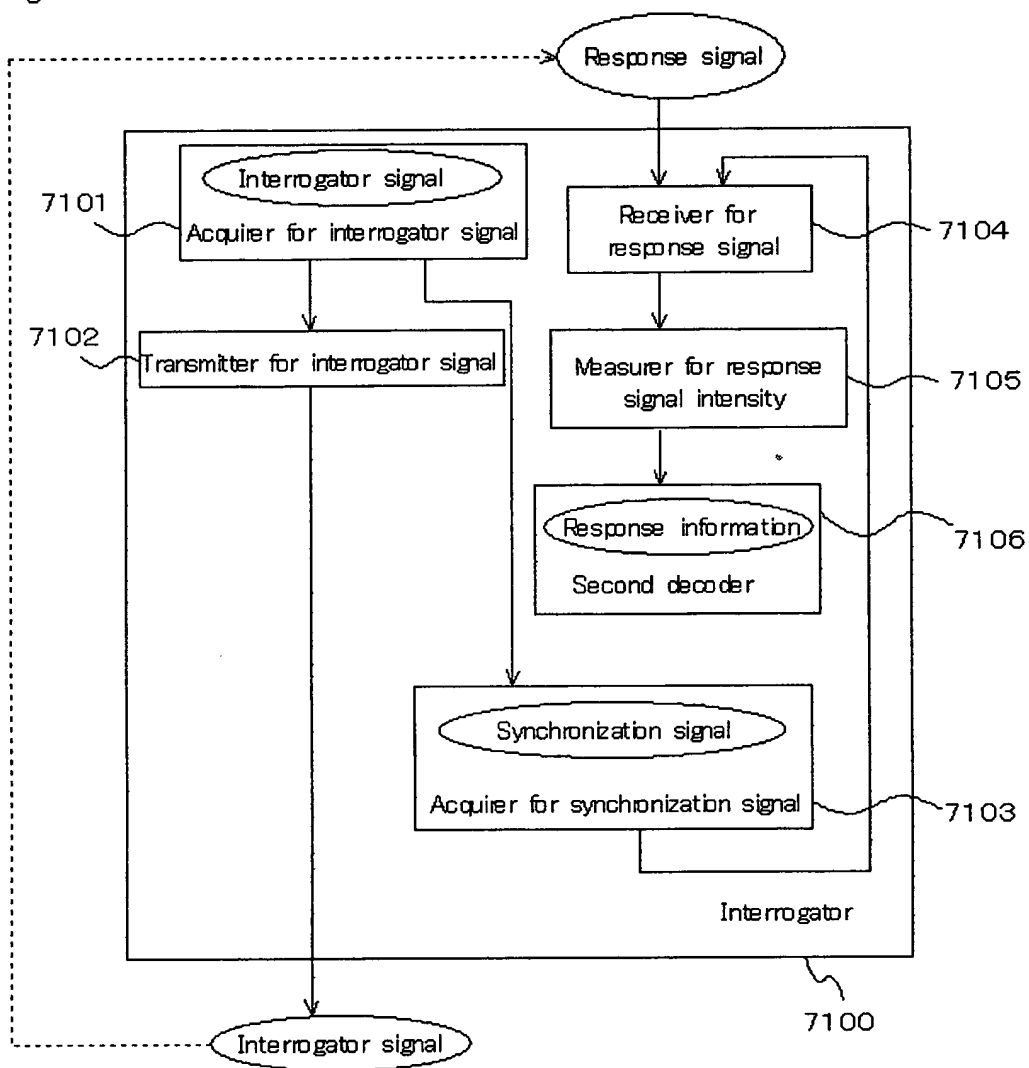


fig72

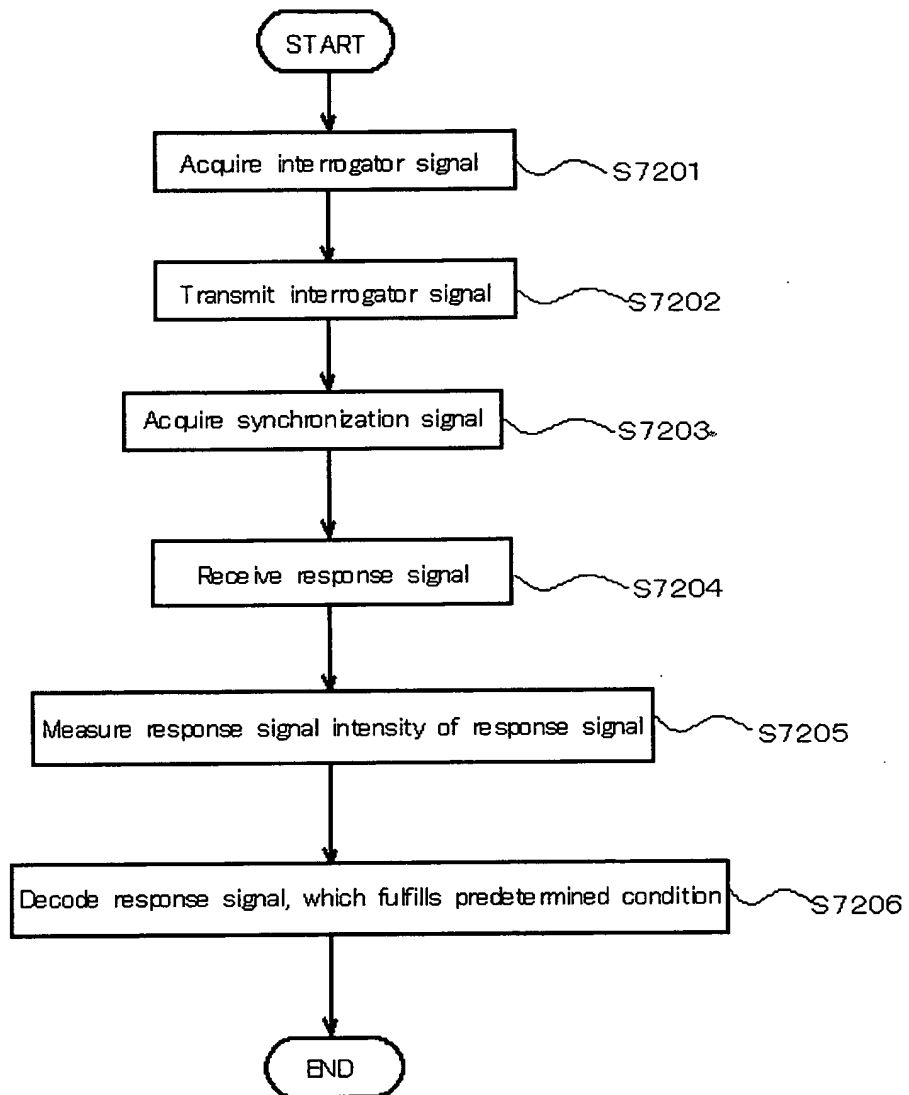




fig 73

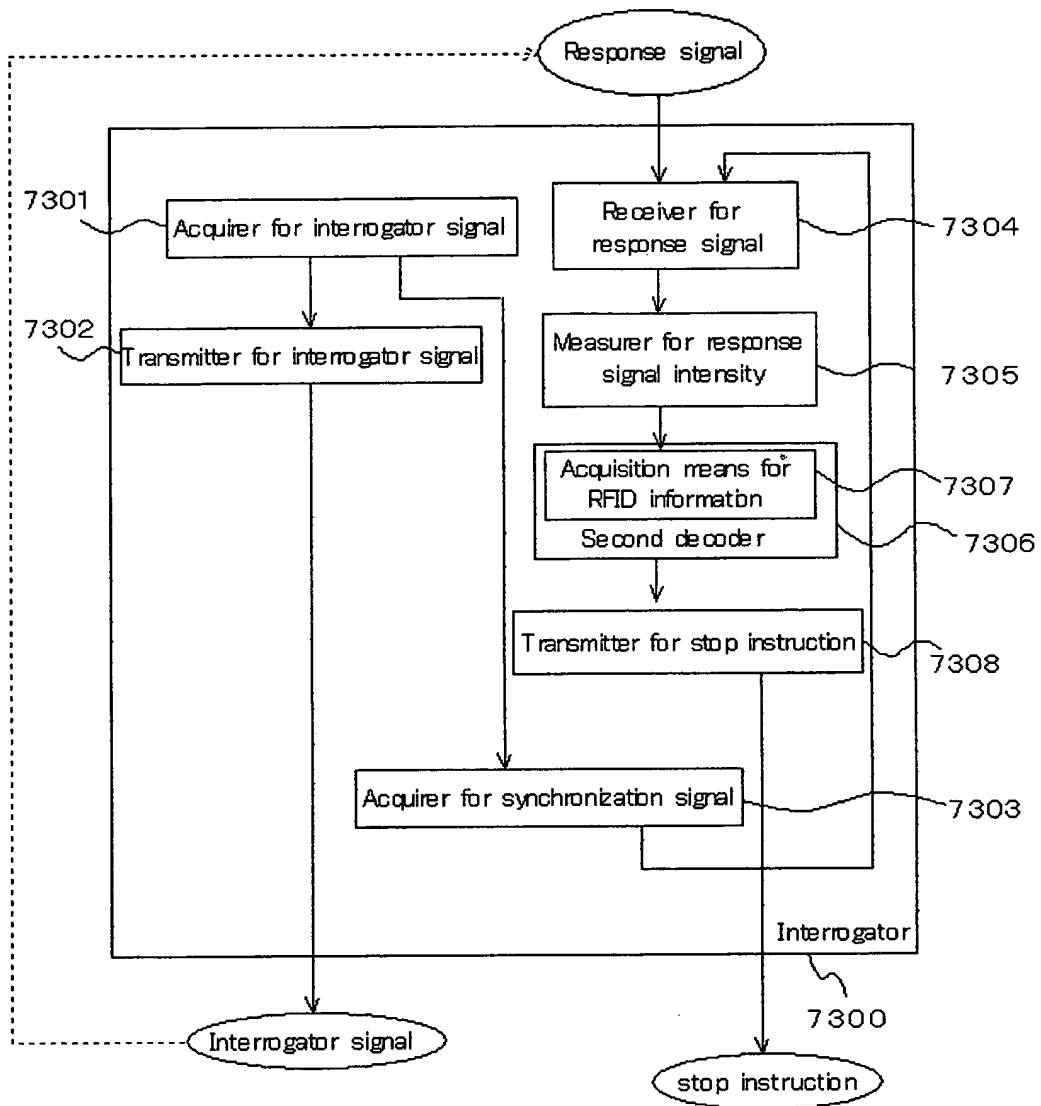


fig 74

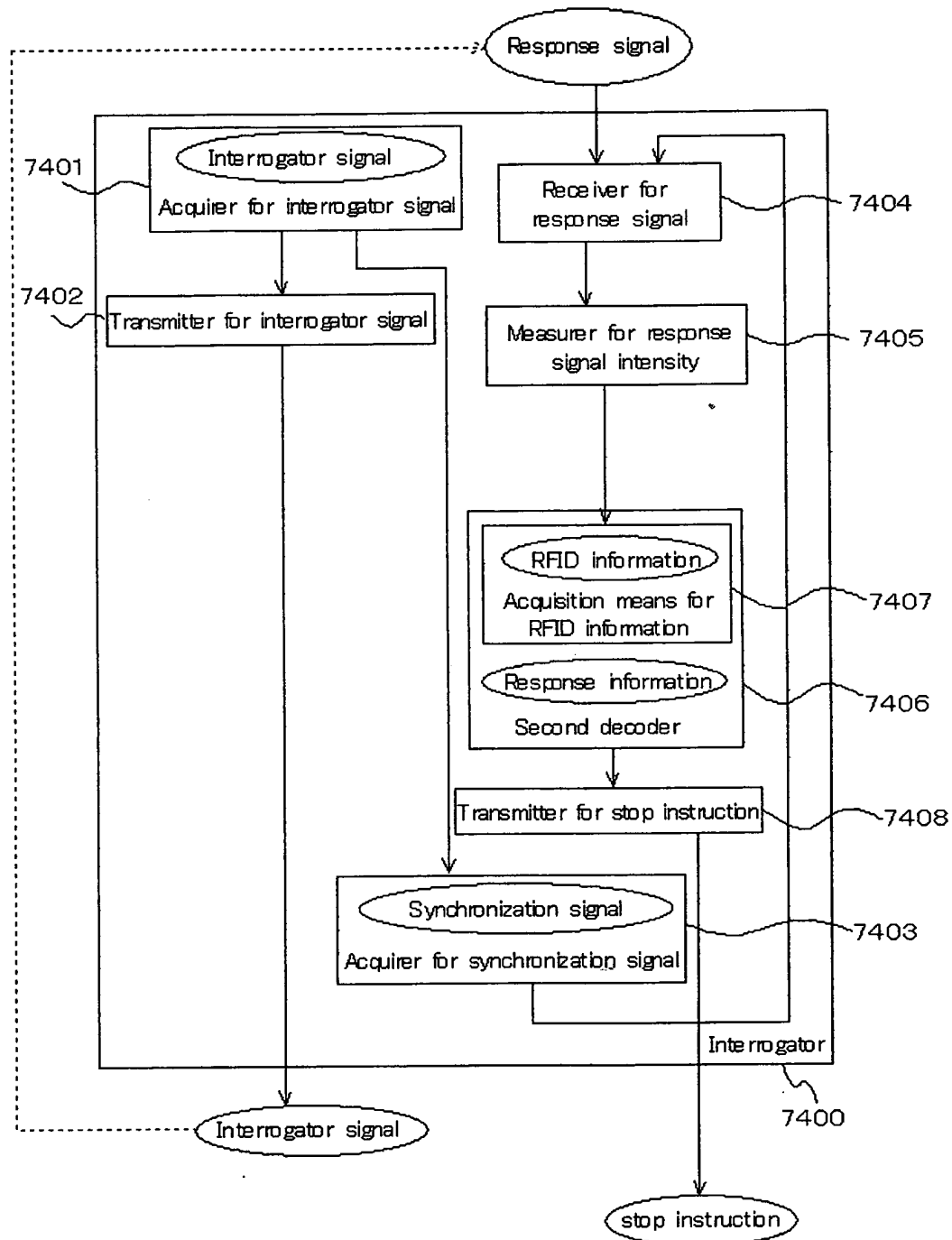


fig 75

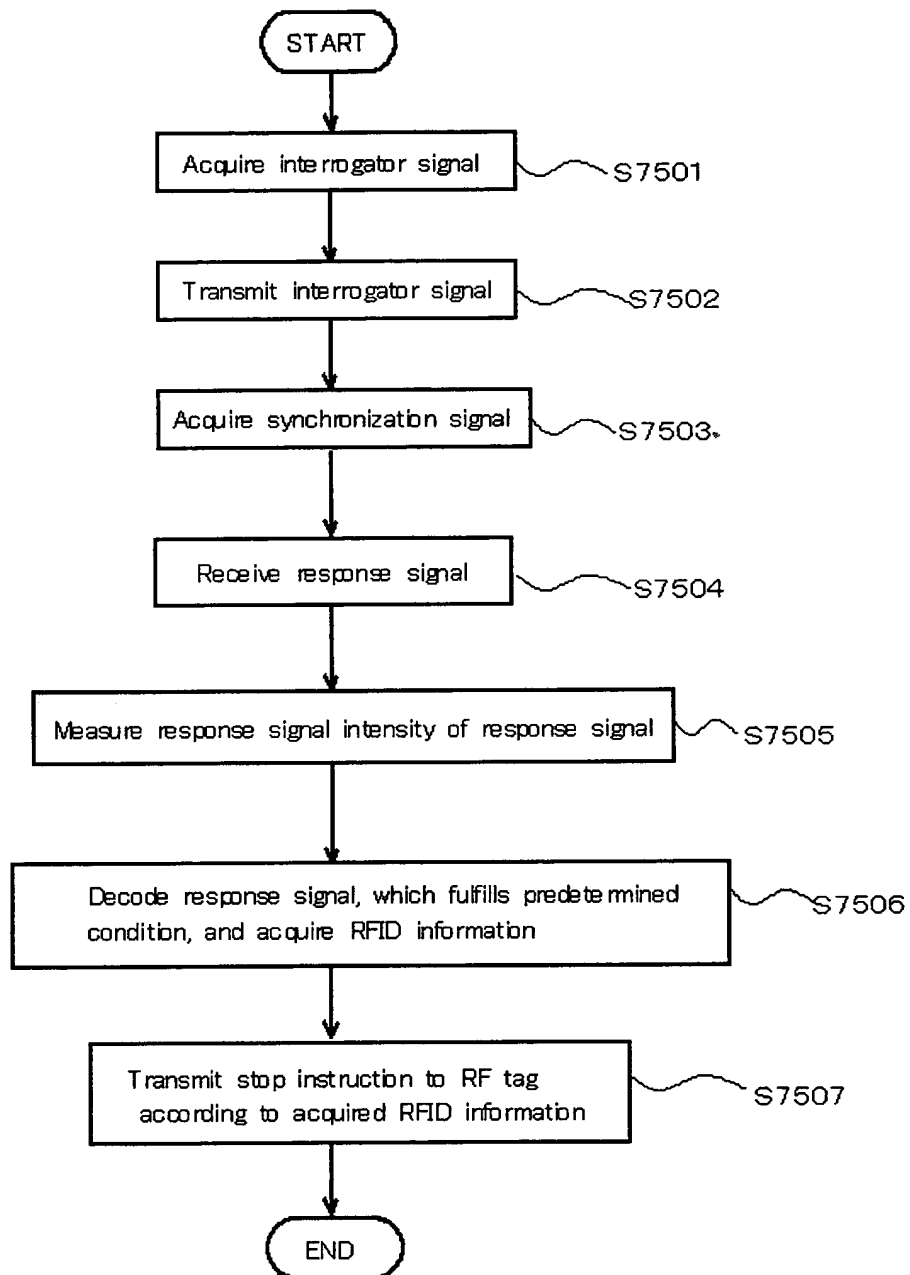


fig.76

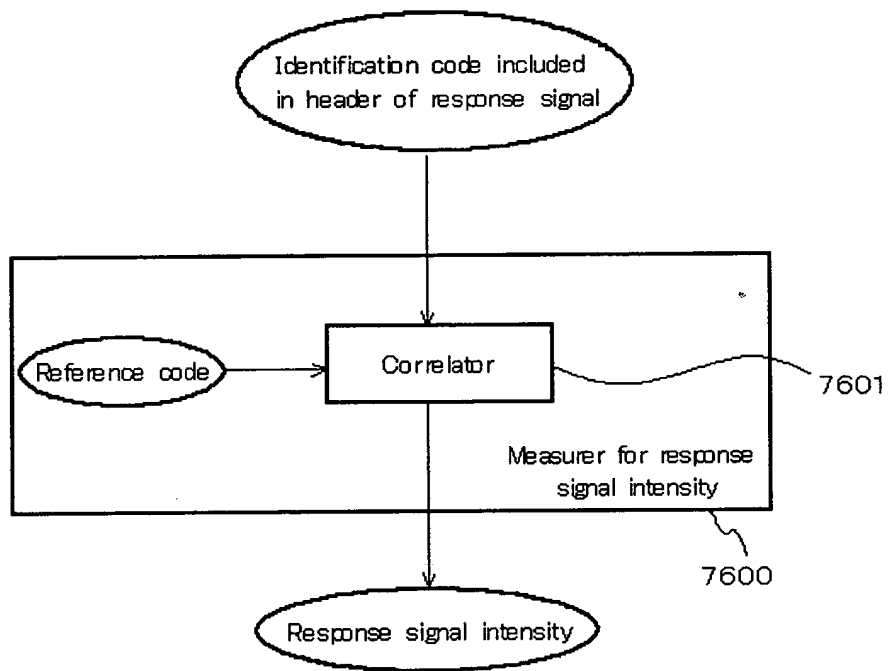


fig77

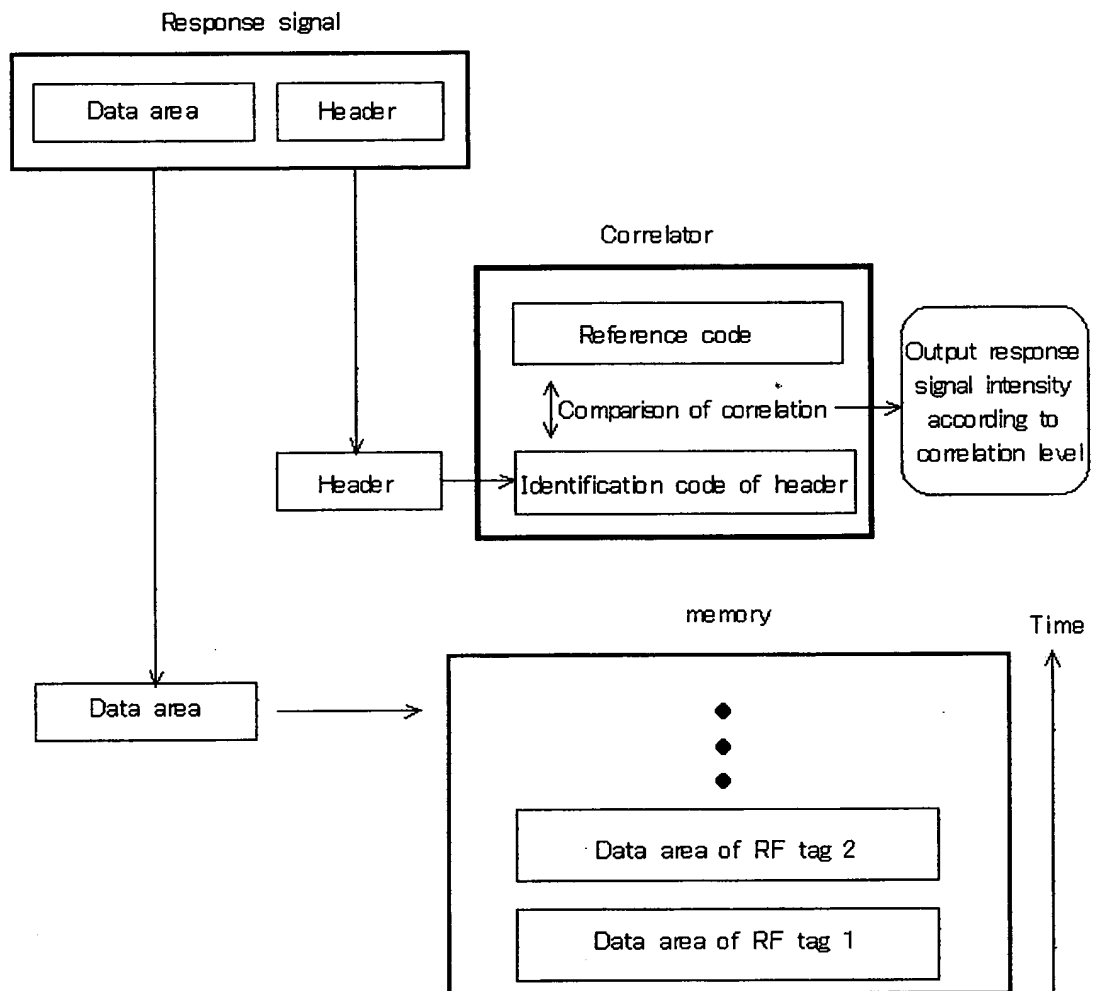


fig.78

(Step0: Time0)

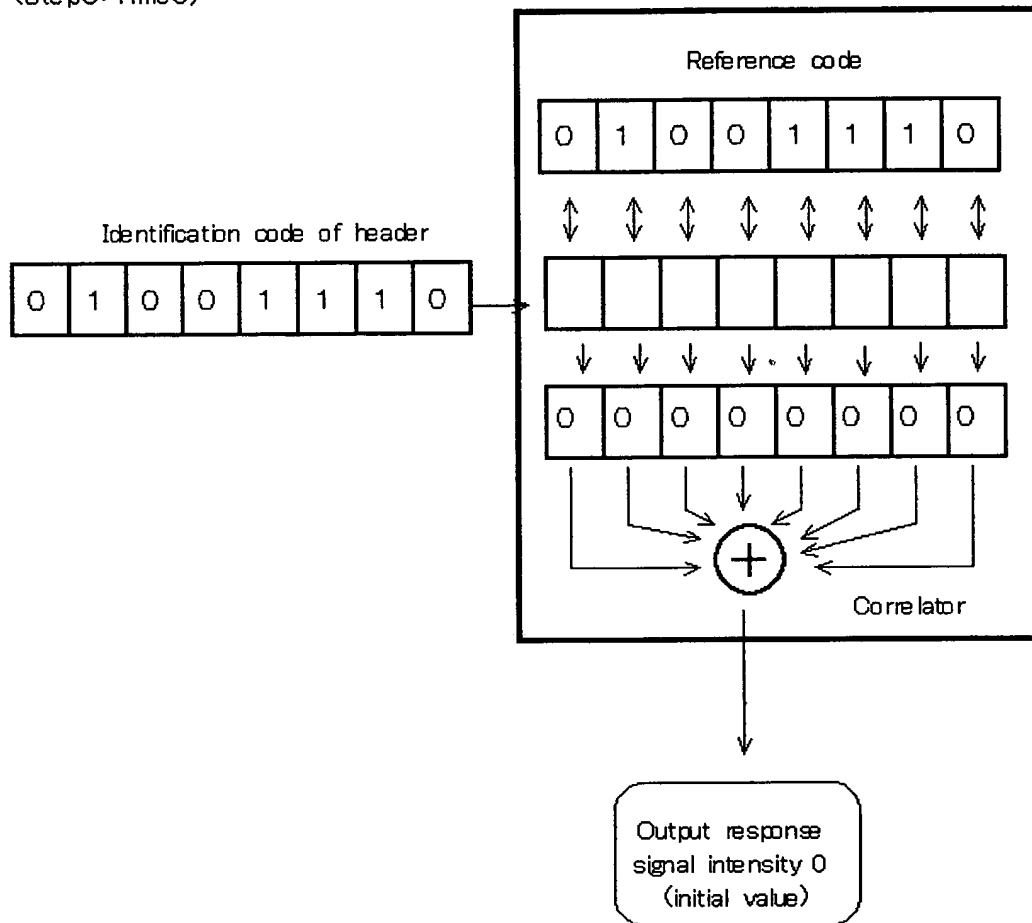


fig79

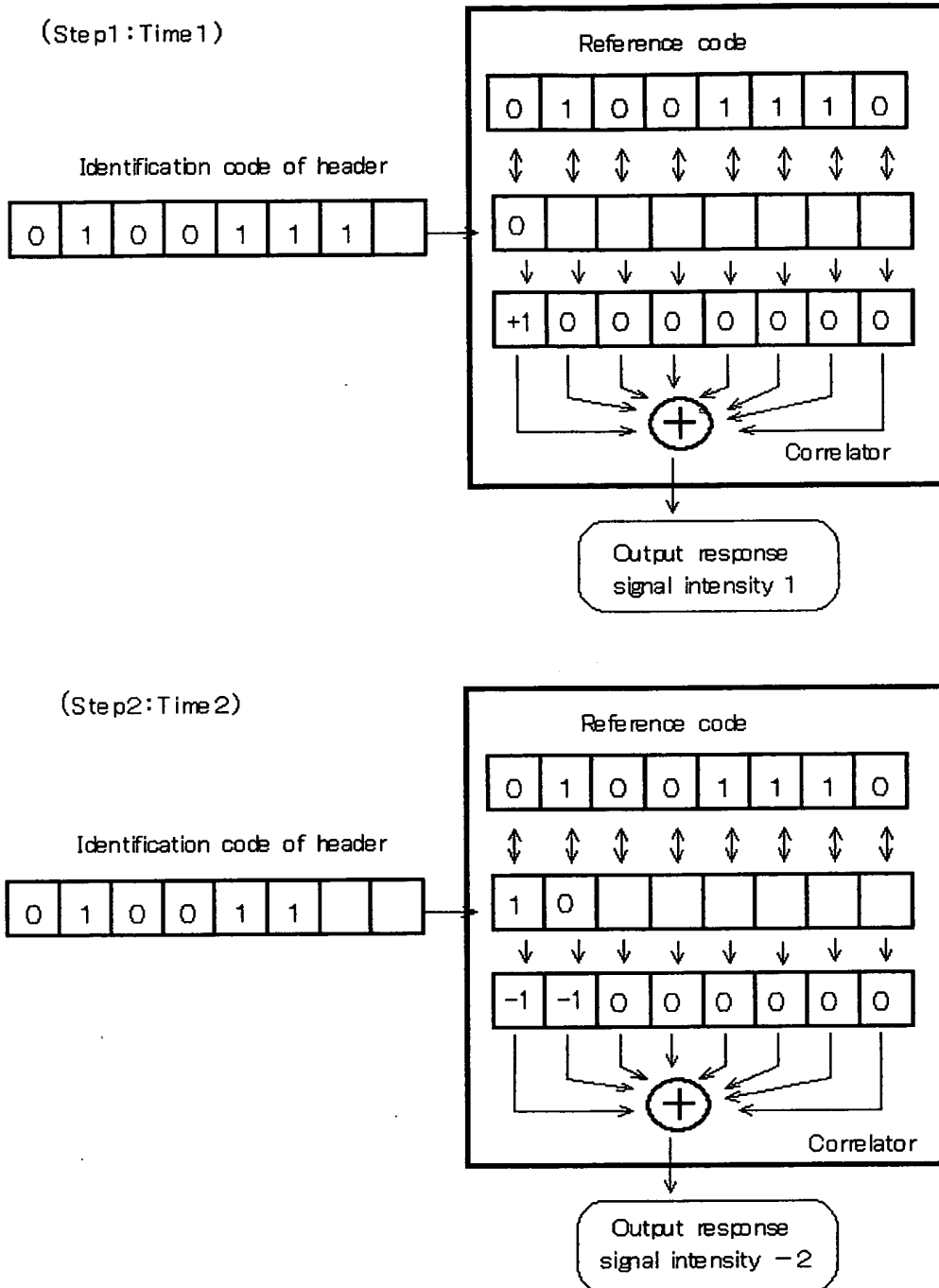


fig80

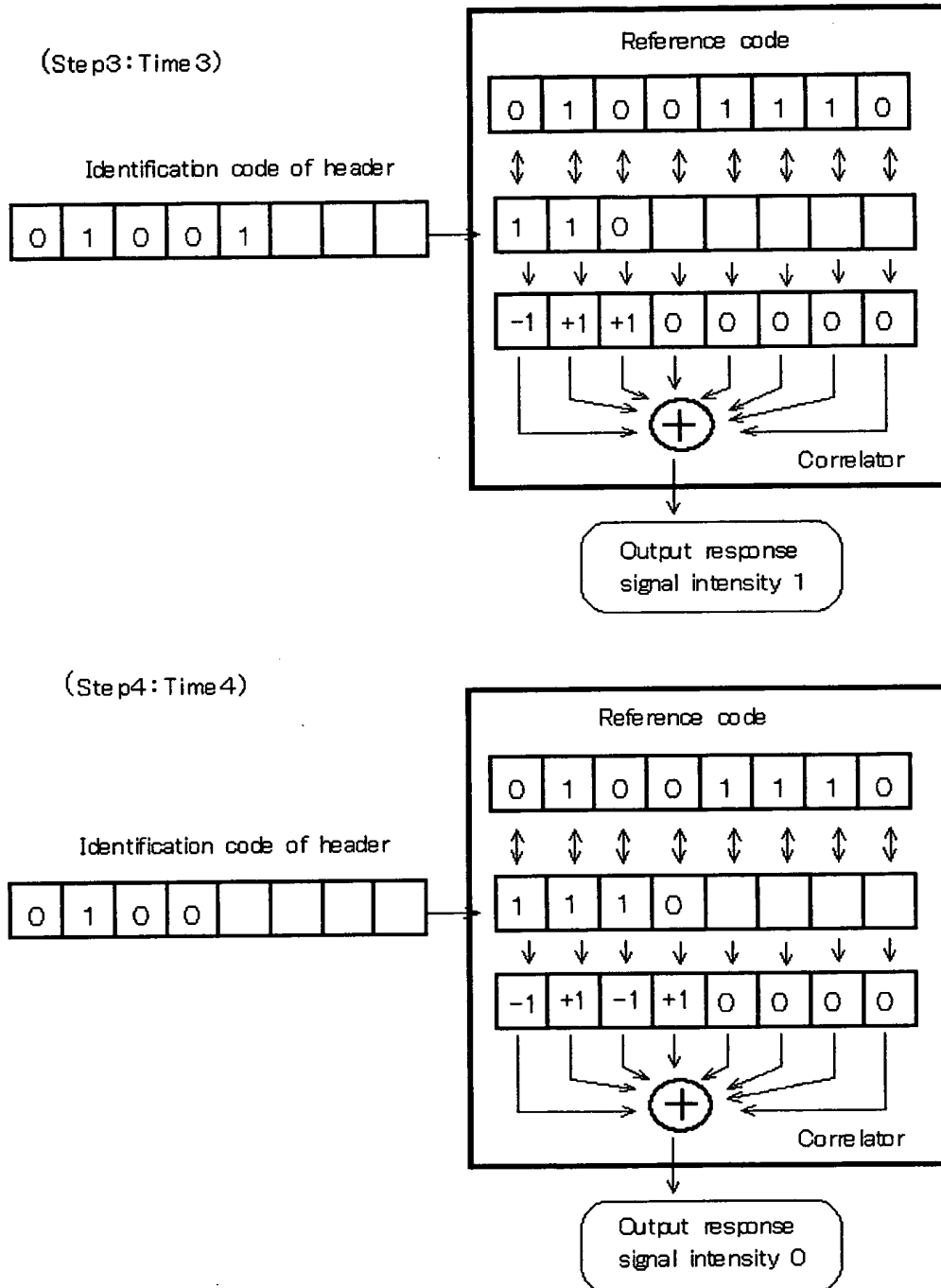




fig81

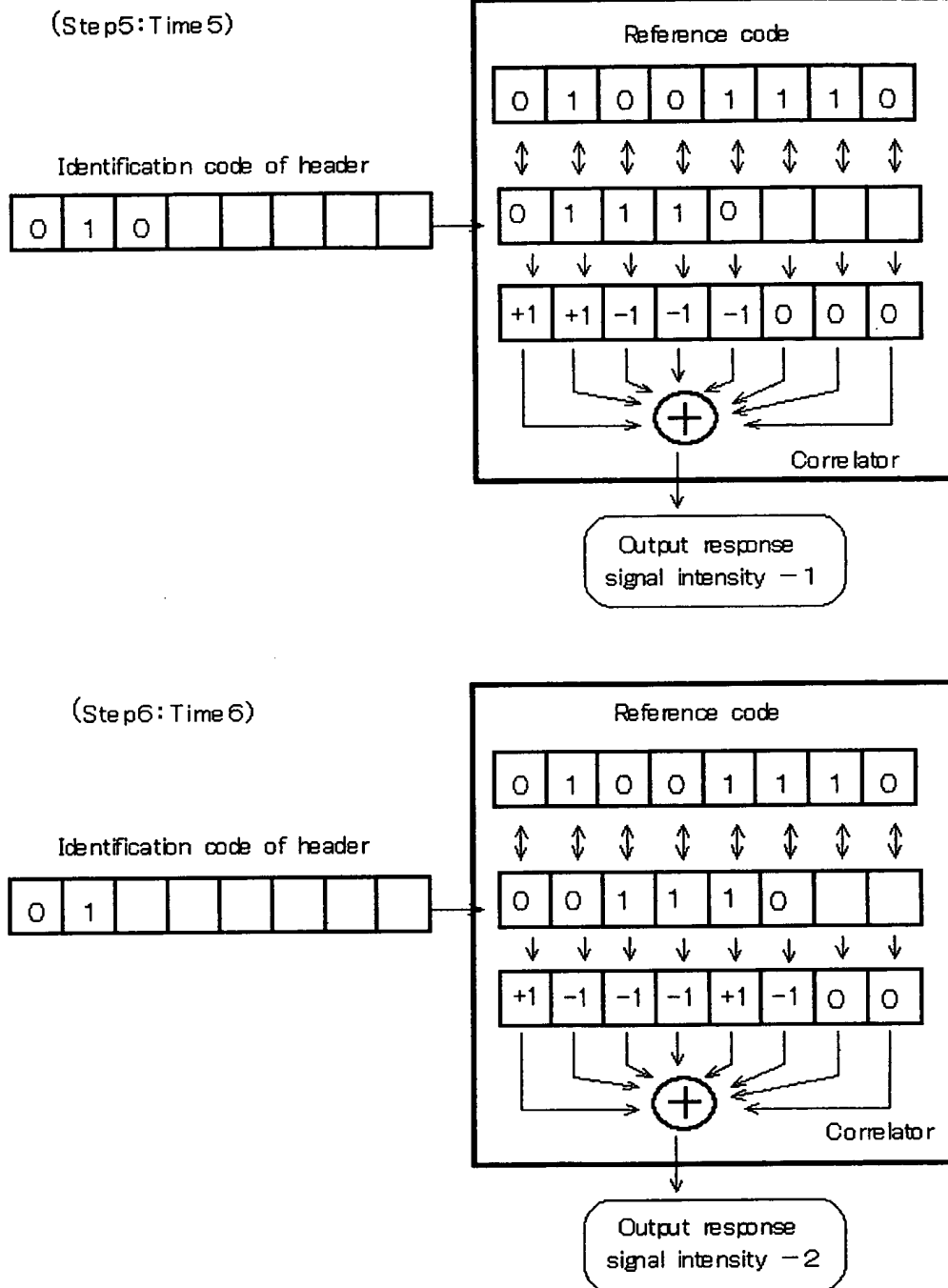


fig82

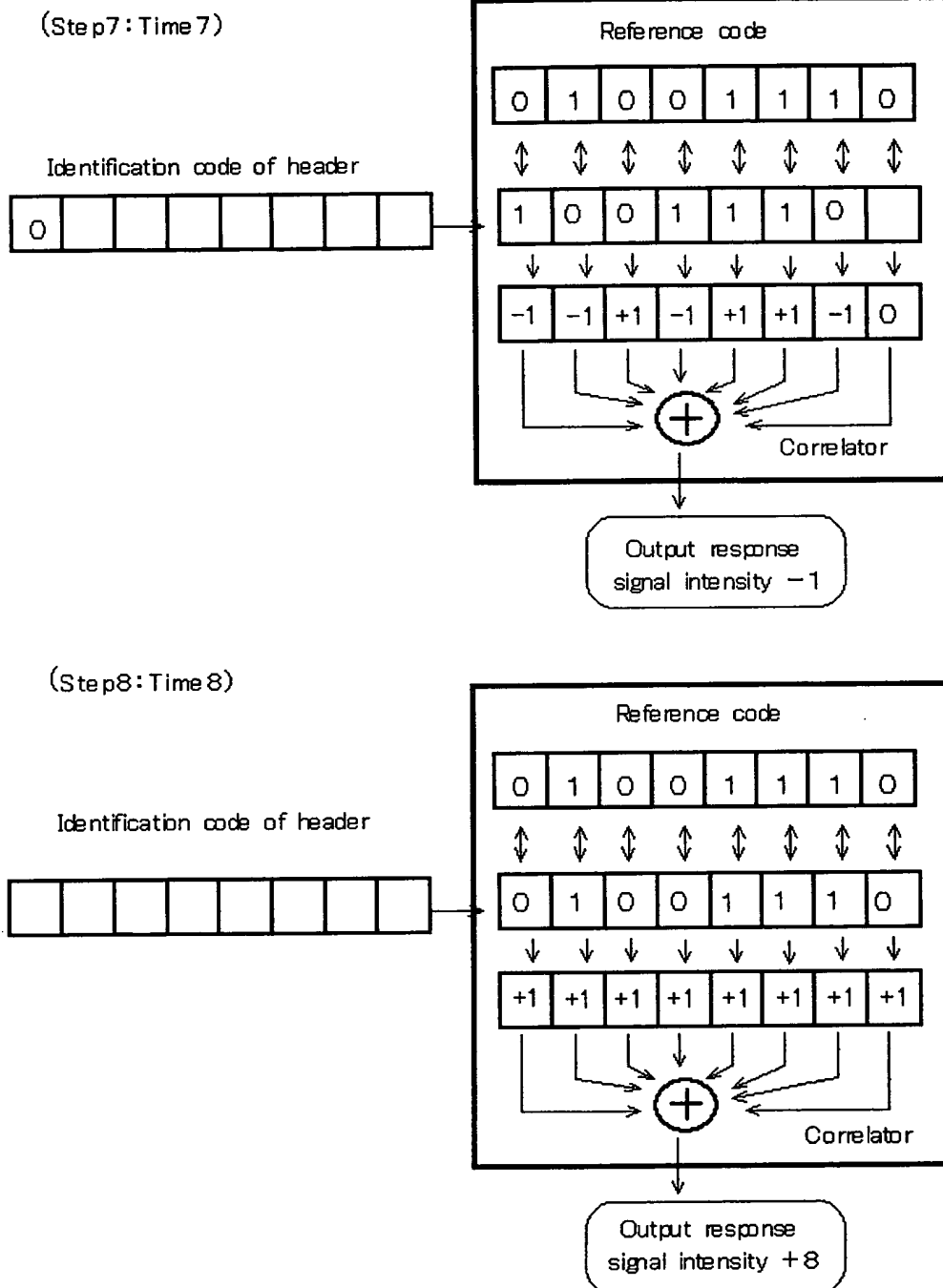


fig 83

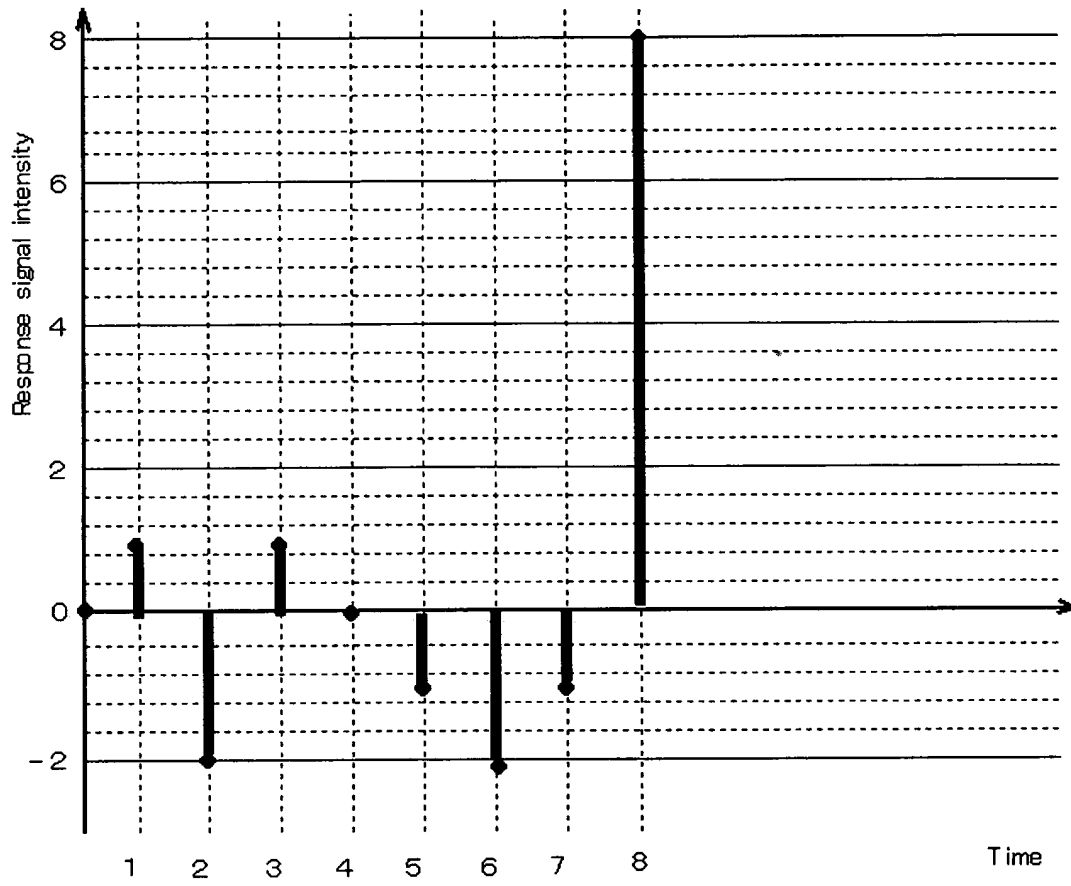


fig84

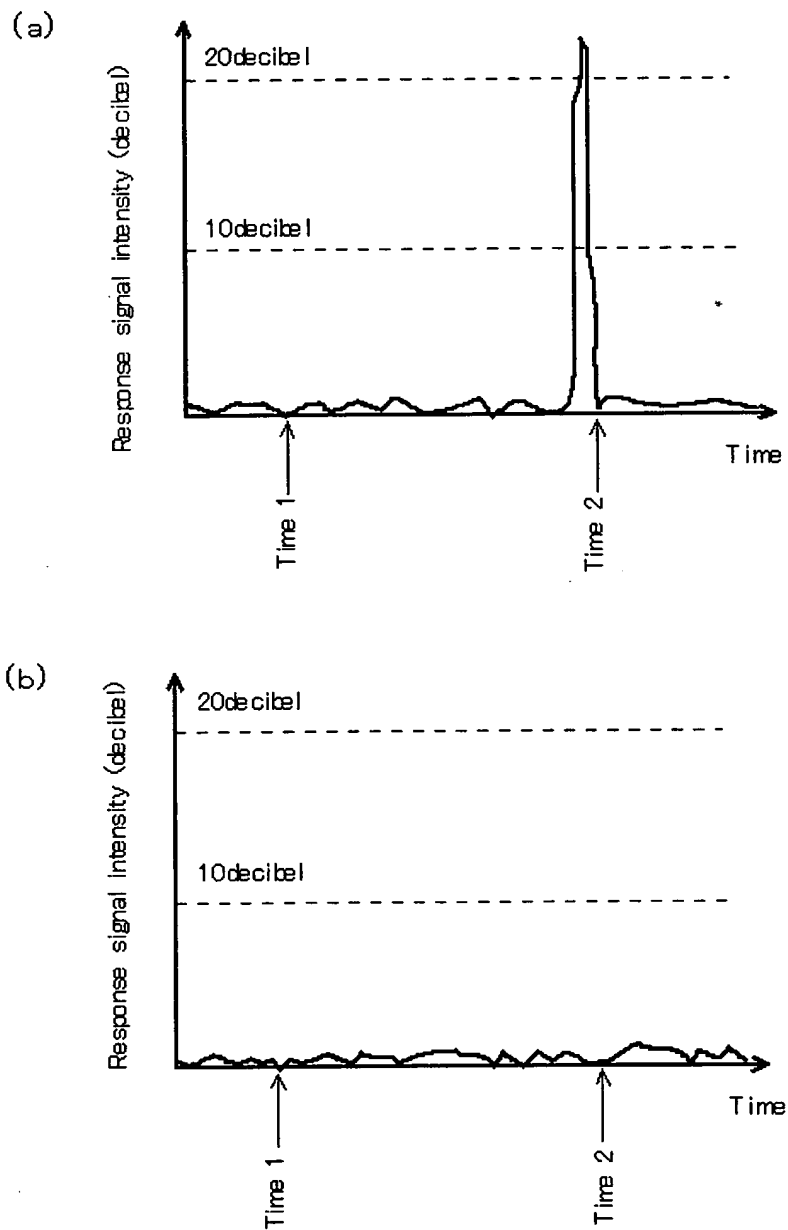


fig 85

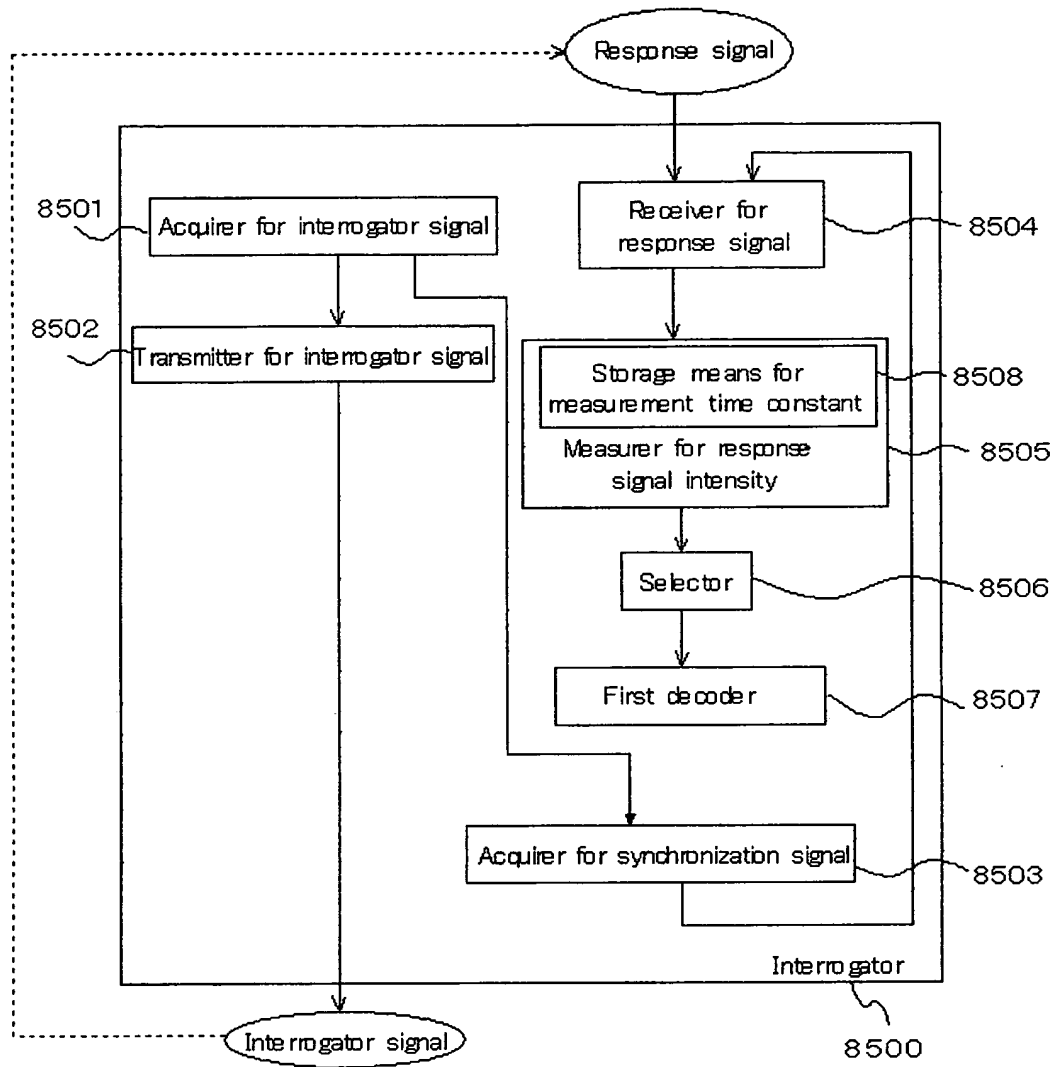


fig 86

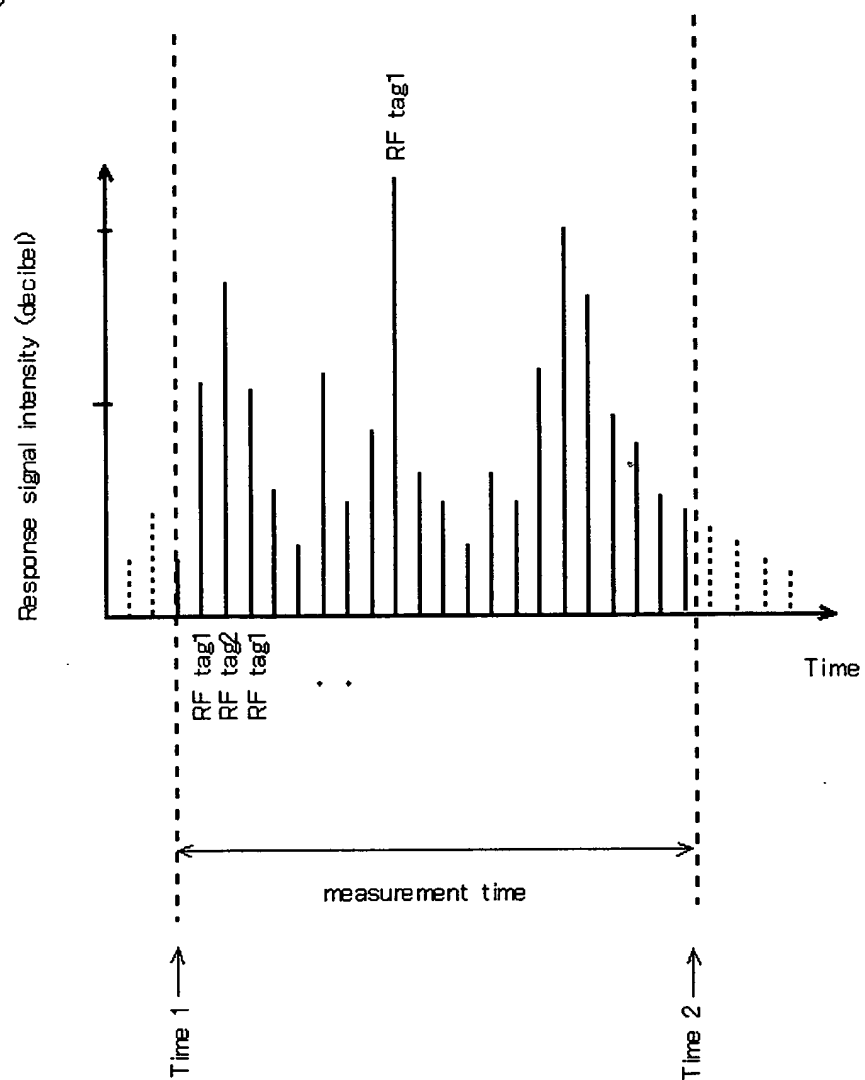


fig 87

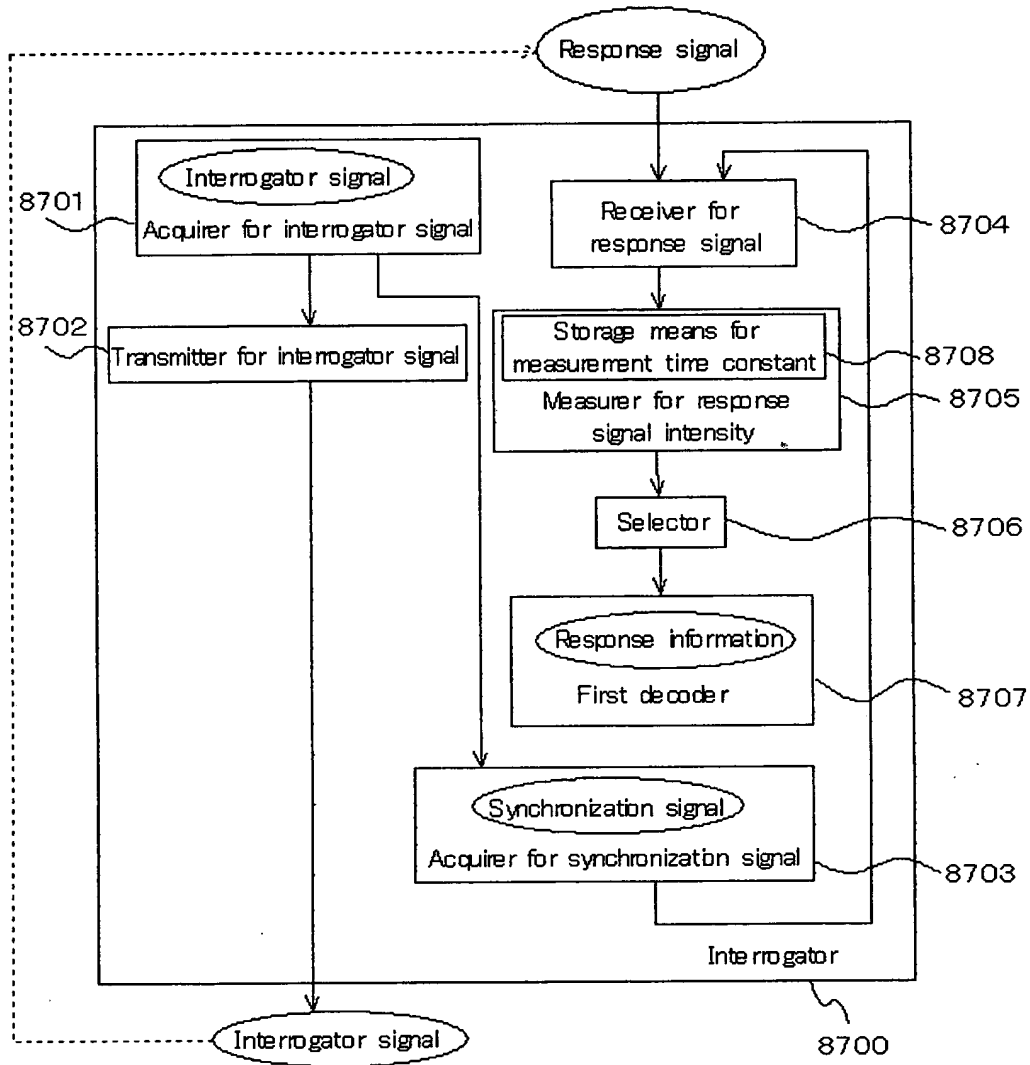


fig88

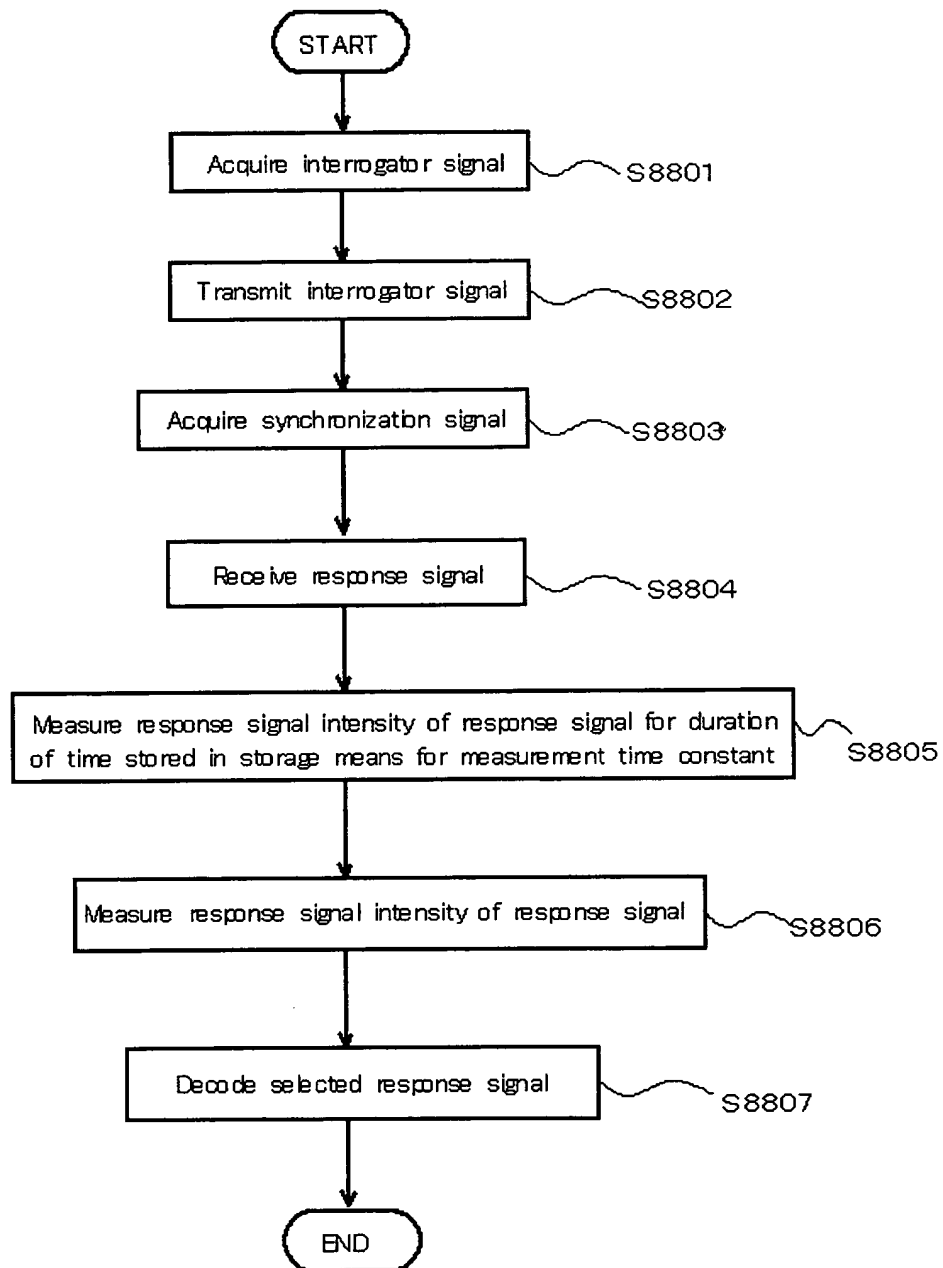




fig89

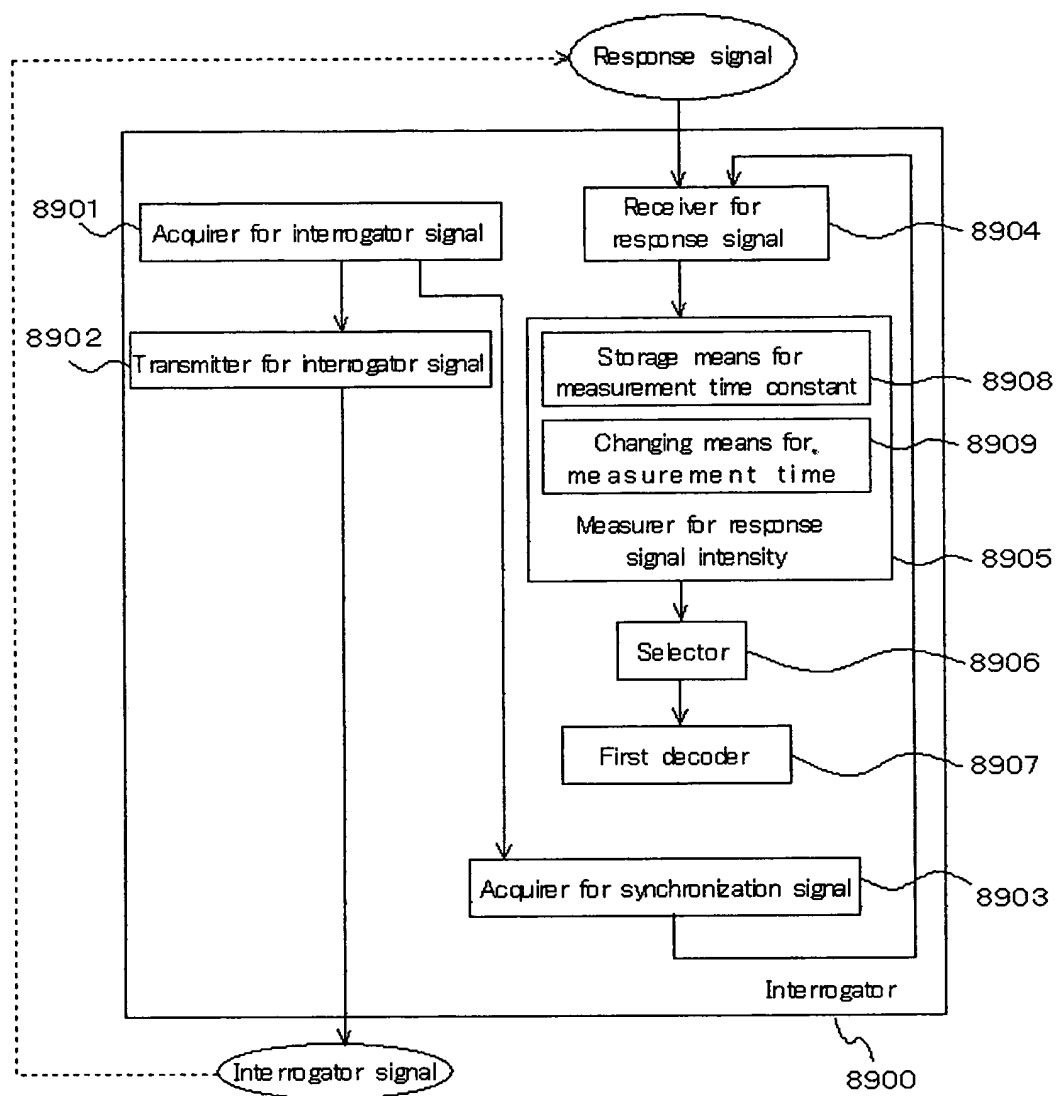


fig. 90

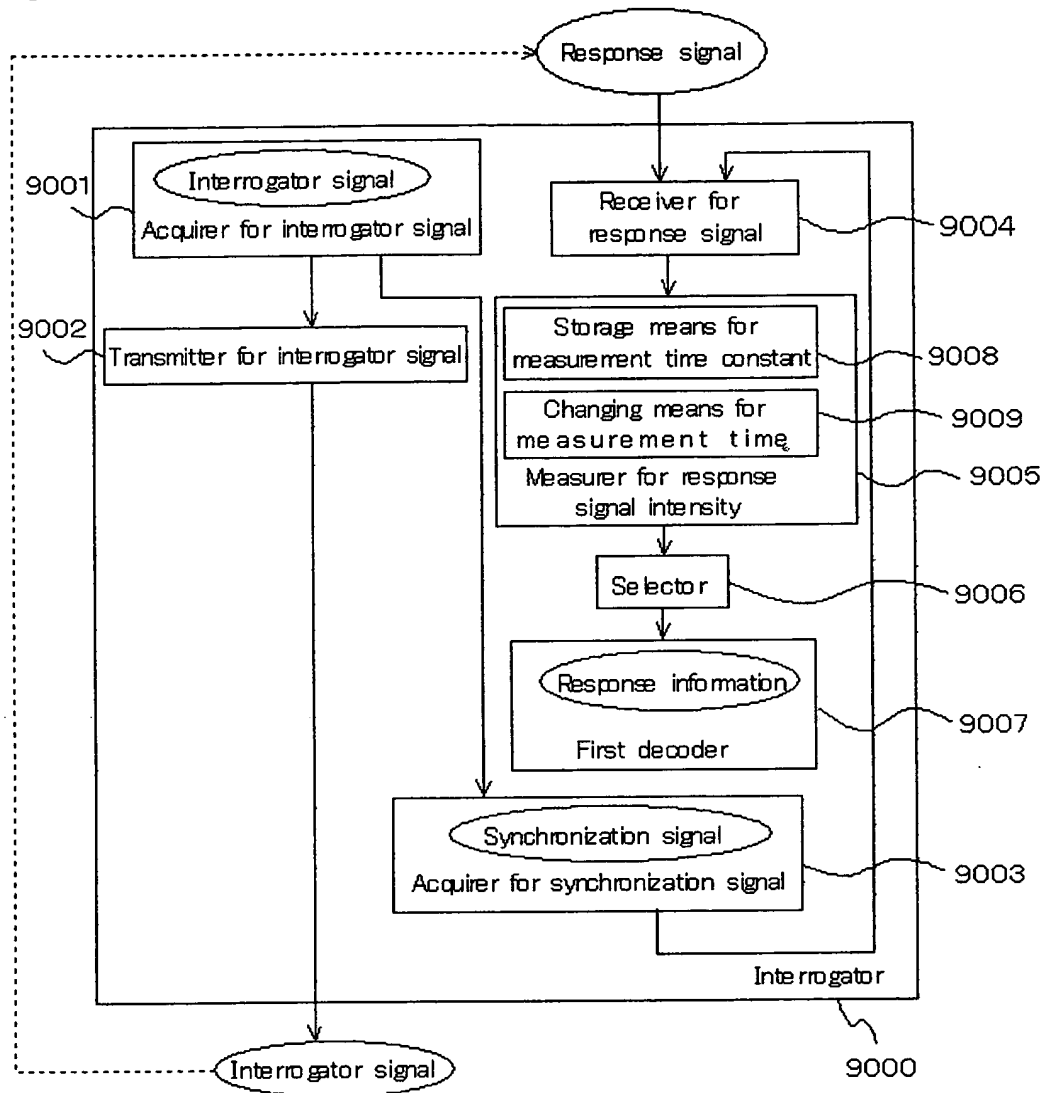


fig.91

